Sclerostin/SOST ELISA Kit (Mouse)  
(OKBBB00654)

Instruction for Use

For the quantitative measurement of Mouse Sclerostin in cell culture supernatants, serum and plasma (heparin, EDTA).

This product is intended for research use only.
# Table of Contents

1. Background ............................................................................................................................ 2
2. Assay Summary ..................................................................................................................... 2
3. Precautions ........................................................................................................................... 3
4. Storage and Stability ............................................................................................................ 3
5. Kit Components .................................................................................................................. 3
6. Required Materials Not Supplied .......................................................................................... 3
7. Technical Application Tips ................................................................................................... 4
8. Reagent Preparation ............................................................................................................. 4
9. Sample Preparation .............................................................................................................. 6
10. Assay Procedure .................................................................................................................. 7
11. Calculation of Results ....................................................................................................... 8
12. Typical Expected Data ....................................................................................................... 8
13. Technical Resources ......................................................................................................... 10
1. Background

**Principle**
Aviva Systems Biology Sclerostin/SOST ELISA Kit (Mouse) (OKBB00654) is based on standard sandwich enzyme-linked immuno-sorbent assay technology. A mouse monoclonal antibody specific for Sclerostin has been pre-coated onto 96-wellplate (12 x 8 Well Strips). Standards (NSO; Q24-Y211) and test samples are added to the wells and incubated. After washing, a biotinylated polyclonal goat detector antibody specific for Sclerostin is added, incubated and followed by washing. Avidin-Biotin-Peroxidase Complex is then added, incubated and unbound conjugate is washed away. An enzymatic reaction is visualized through the addition of TMB substrate which is catalyzed by HRP to produce a blue color product that changes yellow after adding acidic stop solution. The density of yellow coloration read by absorbance at 450 nm and is quantitatively proportional to the amount of sample Mouse Sclerostin captured in well.

**Background**
Sclerostin is a protein that in humans is encoded by the SOST gene. Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Sclerostin is produced by the osteocyte and has anti-anabolic effects on bone formation. The SOST gene maps to chromosome 17q12-q21.

2. Assay Summary

- Prepare reagents. Microplate is ready to use from packaging.
- Add prepared samples or controls, incubate.
- Remove sample or control, add detector antibody, incubate.
- Wash, add detection reagent, incubate.
- Wash, add color development reagents, stop, read.
3. Precautions

- Read instructions fully prior to beginning use of the assay kit.
- Any deviations or modifications from the described method or use of other reagents could result in a reduction of performance.
- Reduce exposure to potentially harmful substances by wearing personal protective lab equipment including lab coats, gloves and glasses.
- For information on hazardous substances included in the kit please refer to the Material Safety Data Sheet (MSDS).

4. Storage and Stability

- Upon receipt store kit at 4°C for 6 months or -20°C for 12 months. Avoid multiple freeze/thaw cycles.

5. Kit Components

- The following reagents are the provided contents of the kit.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>96-Well plate Pre-coated with Anti-Mouse Sclerostin Antibody</td>
<td>1 (12 x 8 Well Strip)</td>
</tr>
<tr>
<td>Lyophilized Recombinant Mouse Sclerostin Standard</td>
<td>10 ng/tube × 2</td>
</tr>
<tr>
<td>100X Biotinylated Anti-Mouse Sclerostin Antibody</td>
<td>130 µL</td>
</tr>
<tr>
<td>100X Avidin-Biotin-Peroxidase Complex (ABC)</td>
<td>130 µL</td>
</tr>
<tr>
<td>Sample Diluent Buffer</td>
<td>30 mL</td>
</tr>
<tr>
<td>Antibody Diluent Buffer</td>
<td>12 mL</td>
</tr>
<tr>
<td>ABC Diluent Buffer</td>
<td>12 mL</td>
</tr>
<tr>
<td>TMB Color Developing Agent</td>
<td>10 mL</td>
</tr>
<tr>
<td>TMB Stop Solution</td>
<td>10 mL</td>
</tr>
<tr>
<td>10X Wash Buffer</td>
<td>30 mL</td>
</tr>
</tbody>
</table>

6. Required Materials Not Supplied

- Microplate reader capable of reading absorbance at 450 nm.
- Automated plate washer (optional).
- Pipettes capable of precisely dispensing 0.5 µL through 1 mL volumes of aqueous solutions.
- Pipettes or volumetric glassware capable of precisely measuring 1 mL through 100 mL of aqueous solutions.
- New, clean tubes and/or micro-centrifuge tubes for the preparation of standards or samples.
- Absorbent paper or paper toweling.
- Distilled or deionized ultrapure water.
7. Technical Application Tips

- Do not mix or substitute components from other kits.
- To ensure the validity of experimental operation, it is recommended that pilot experiments using standards and a small selection of sample dilutions to ensure optimal dilution range for quantitation.
- Samples exhibiting OD measurements higher than the highest standard should be diluted further in the appropriate sample dilution buffers.
- Inspect all reagents prior to use. Components should contain no particulates or cloudiness and should be colorless.
- Prior to using the kit, briefly spin component tubes to collect all reagent at the bottom.
- Replicate wells are recommended for standards and samples.
- Prior to using the kit, briefly spin component tubes to collect all reagent at the bottom.

8. Reagent Preparation

- Equilibrate all materials to ambient room temperature prior to use (standards exception).
- For optimal results in inter- intra-assay consistency, equilibrate all materials to 37°C prior to performing assay (standards exception) and perform all incubations at 37°C.
- Pipetting less than 1 µL is not recommended for optimal assay accuracy.
- Once the procedure has been started, all steps should be completed without interruption. Ensure that all reagents, materials and devices are ready at the appropriate time.
- Incubation times will affect results. All wells should be handled in the same sequential order and time intervals for optimal results.
- Samples containing precipitates or fibrin strands or which are hemolytic or lipemic might cause inaccurate results due to interfering factors.

8.1 1X Biotinylated Anti-Mouse Sclerostin Antibody

8.1.1 Prepare the 1X Biotinylated Anti-Mouse Sclerostin Antibody immediately prior to use by diluting the 100X Biotinylated Anti-Mouse Sclerostin Antibody 1:100 with Antibody Diluent Buffer.

8.1.2 For each well to be used in the experiment prepare 120 µL by adding 1.2 µL of 100X Biotinylated Anti-Mouse Sclerostin Antibody to 118.8 µL Antibody Diluent Buffer.

8.1.3 Mix thoroughly and gently. Hold no longer than 2 hours prior to using in procedure.

8.2 1X Avidin-Biotin-Peroxidase Complex (ABC)

8.2.1 Prepare the 1X Avidin-Biotin-Peroxidase Complex (ABC) immediately prior to use by diluting the 100X Avidin-Biotin-Peroxidase Complex (ABC) 1:100 with ABC Dilution Buffer.

8.2.2 For each well to be used in the experiment prepare 120 µL, by adding 1.2 µL of 100X Avidin-Biotin-Peroxidase Complex (ABC) to 118.8 µL ABC Dilution Buffer.

8.2.3 Mix thoroughly and gently. Hold no longer than 2 hours prior to using in procedure.
8.3 Sclerostin Assay Standards

8.3.1 Prepare the Sclerostin standards no greater than 2 hours prior to performing experiment. Standards should be held on ice until use in the experiment.

8.3.2 Reconstitute one of the provided 10 ng Lyophilized Recombinant Mouse Sclerostin Standard. Use one for each experiment. Prepare a stock 10,000 pg/mL Mouse Sclerostin Standard by reconstituting one tube of Lyophilized Recombinant Mouse Sclerostin Standard as follows:

8.3.2.1 Gently spin or tap the vial to collect all material at the bottom.
8.3.2.2 Add 1 mL of Sample Diluent Buffer to the vial.
8.3.2.3 Seal then mix gently and thoroughly.
8.3.2.4 Leave the vial to sit at ambient temperature for 10 minutes.

8.3.3 Prepare a set of seven serially diluted standards as follows:

8.3.3.1 Label tubes with numbers 1 – 8.
8.3.3.2 Add 300 µL of Sample Diluent Buffer to Tube #’s 2 – 8.
8.3.3.3 Prepare a 1,000 pg/mL Standard #1 by adding 100 µL of the 10,000 pg/mL reconstituted Mouse Sclerostin Standard to 900 µL of Sample Diluent Buffer in Tube #1. Mix gently and thoroughly.
8.3.3.4 Prepare Standard #2 by adding 300 µL of 1,000 pg/mL Standard #1 from Tube #1 to Tube #2. Mix gently and thoroughly.
8.3.3.5 Prepare Standard #3 by adding 300 µL of Standard #2 from Tube #2 to Tube #3. Mix gently and thoroughly.
8.3.3.6 Prepare further serial dilutions through Tube #7. Reference the table below as a guide for serial dilution scheme.
8.3.3.7 Tube #8 is a blank standard (only Sample Diluent Buffer), which should be included with every experiment.

<table>
<thead>
<tr>
<th>Standard Number (Tube)</th>
<th>Sample To Dilute</th>
<th>Volume Standard (µL)</th>
<th>Volume Sample Diluent Buffer (µL)</th>
<th>Total Volume (µL)</th>
<th>Final Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube #1</td>
<td>10,000 pg/mL of Mouse Sclerostin Standard</td>
<td>100</td>
<td>900</td>
<td>1,000</td>
<td>1.000 pg/mL</td>
</tr>
<tr>
<td>Tube #2</td>
<td>1,000 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>500 pg/mL</td>
</tr>
<tr>
<td>Tube #3</td>
<td>500 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>250 pg/mL</td>
</tr>
<tr>
<td>Tube #4</td>
<td>250 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>125 pg/mL</td>
</tr>
<tr>
<td>Tube #5</td>
<td>125 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>62.5 pg/mL</td>
</tr>
<tr>
<td>Tube #6</td>
<td>62.5 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>31.2 pg/mL</td>
</tr>
<tr>
<td>Tube #7</td>
<td>31.2 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>15.6 pg/mL</td>
</tr>
<tr>
<td>Tube #8</td>
<td>NA</td>
<td>0</td>
<td>300</td>
<td>300</td>
<td>0.0 (Blank)</td>
</tr>
</tbody>
</table>

8.3.1 Prepare the Sclerostin standards no greater than 2 hours prior to performing experiment. Standards should be held on ice until use in the experiment.

8.3.2 Reconstitute one of the provided 10 ng Lyophilized Recombinant Mouse Sclerostin Standard. Use one for each experiment. Prepare a stock 10,000 pg/mL Mouse Sclerostin Standard by reconstituting one tube of Lyophilized Recombinant Mouse Sclerostin Standard as follows:

8.3.2.1 Gently spin or tap the vial to collect all material at the bottom.
8.3.2.2 Add 1 mL of Sample Diluent Buffer to the vial.
8.3.2.3 Seal then mix gently and thoroughly.
8.3.2.4 Leave the vial to sit at ambient temperature for 10 minutes.

8.3.3 Prepare a set of seven serially diluted standards as follows:

8.3.3.1 Label tubes with numbers 1 – 8.
8.3.3.2 Add 300 µL of Sample Diluent Buffer to Tube #’s 2 – 8.
8.3.3.3 Prepare a 1,000 pg/mL Standard #1 by adding 100 µL of the 10,000 pg/mL reconstituted Mouse Sclerostin Standard to 900 µL of Sample Diluent Buffer in Tube #1. Mix gently and thoroughly.
8.3.3.4 Prepare Standard #2 by adding 300 µL of 1,000 pg/mL Standard #1 from Tube #1 to Tube #2. Mix gently and thoroughly.
8.3.3.5 Prepare Standard #3 by adding 300 µL of Standard #2 from Tube #2 to Tube #3. Mix gently and thoroughly.
8.3.3.6 Prepare further serial dilutions through Tube #7. Reference the table below as a guide for serial dilution scheme.
8.3.3.7 Tube #8 is a blank standard (only Sample Diluent Buffer), which should be included with every experiment.

<table>
<thead>
<tr>
<th>Standard Number (Tube)</th>
<th>Sample To Dilute</th>
<th>Volume Standard (µL)</th>
<th>Volume Sample Diluent Buffer (µL)</th>
<th>Total Volume (µL)</th>
<th>Final Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube #1</td>
<td>10,000 pg/mL of Mouse Sclerostin Standard</td>
<td>100</td>
<td>900</td>
<td>1,000</td>
<td>1.000 pg/mL</td>
</tr>
<tr>
<td>Tube #2</td>
<td>1,000 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>500 pg/mL</td>
</tr>
<tr>
<td>Tube #3</td>
<td>500 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>250 pg/mL</td>
</tr>
<tr>
<td>Tube #4</td>
<td>250 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>125 pg/mL</td>
</tr>
<tr>
<td>Tube #5</td>
<td>125 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>62.5 pg/mL</td>
</tr>
<tr>
<td>Tube #6</td>
<td>62.5 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>31.2 pg/mL</td>
</tr>
<tr>
<td>Tube #7</td>
<td>31.2 pg/mL</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>15.6 pg/mL</td>
</tr>
<tr>
<td>Tube #8</td>
<td>NA</td>
<td>0</td>
<td>300</td>
<td>300</td>
<td>0.0 (Blank)</td>
</tr>
</tbody>
</table>
8.4 1X Wash Buffer

8.4.1 Add 270 mL of ultra-pure water to a clean > 500 mL bottle or other vessel.
8.4.2 Add the entire 30 mL contents of the 10X Wash Buffer bottle to the water.
8.4.3 Seal and mix gently by inversion. Avoid foaming or bubbles.
8.4.4 Store the 1X Wash Buffer at room temperature until ready to use in the procedure. Store the prepared 1X Wash Buffer at 4°C for no longer than 1 week. Do not freeze.

8.5 Microplate Preparation

- Micro-plates are provided ready to use and do not require rinsing or blocking.
- Unused well strips should be returned to the original packaging, sealed and stored at 4°C.
- Equilibrate microplates to ambient temperatures prior to opening to reduce potential condensation.

9. Sample Preparation

9.1 Sample Preparation and Storage

- Store samples to be assayed at 2-8°C for 24 hours prior being assayed.
- For long term storage, aliquot and freeze samples at -20°C. Avoid repeated freeze-thaw cycles.
- Clear samples by centrifugation as follows:
  - Cell culture supernatant - Remove particulates by centrifugation, assay immediately or aliquot and store samples at -20°C.
  - Serum - Allow the serum to clot in a serum separator tube (about 4 hours) at room temperature. Centrifuge at approximately 1,000 x g for 15 min. Analyze the serum immediately or aliquot and store samples at -20°C.
  - Plasma - Collect plasma using heparin or EDTA as an anticoagulant. Centrifuge for 15 min at 1,500 x g within 30 min of collection. Assay immediately or aliquot and store samples at -20°C.

9.2 Sample Dilution

Target protein concentration must be estimated and appropriate sample dilution selected such that the final target protein concentration falls near the middle of the assay linear dynamic range.

- Prepare 150 µL sample for each replicate to be assayed.
- Dilute samples with Sample Diluent Buffer.
- Mix diluted samples gently and thoroughly.
- Pipetting less than 2 µL is not recommended for optimal assay accuracy.
- Refer to the following table for recommended sample dilution guidelines based on the dynamic range of this kit:

<table>
<thead>
<tr>
<th>Estimated Sample Target Concentration</th>
<th>Dilution Level</th>
<th>Sample Volume For Two Replicates</th>
<th>Sample Diluent Buffer For Two Replicates</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Concentration 10-100 ng/mL</td>
<td>1:100</td>
<td>3 µL</td>
<td>297 µL</td>
</tr>
<tr>
<td>Medium Concentration 1-10 ng/mL</td>
<td>1:10</td>
<td>30 µL</td>
<td>270 µL</td>
</tr>
<tr>
<td>Low Concentration 15.6-1,000 pg/mL</td>
<td>1:2</td>
<td>150 µL</td>
<td>150 µL</td>
</tr>
<tr>
<td>Very Low Concentration ≤ 15.6 pg/mL</td>
<td>1:2 or No Dilution</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

www.avivasysbio.com–888.880.0001 – techsupport@avivasysbio.com
10. Assay Procedure

- Equilibrate all reagents and materials to ambient room temperature prior to use in the procedure.
- To control for small potential variations in micro well-plate and day to day ambient temperature fluctuations, equilibrate all reagents prior to use and perform all incubation steps at to 37°C for optimal consistency and reproducibility.

10.1 Add 100 µL of serially titrated standards, diluted samples or blank into wells of the pre-coated well plate. At least two replicates of each standard, sample or blank is recommended.

10.2 Cover the plate with the well plate lid and incubate for 90 minutes.

10.3 Remove the plate lid and discard the liquid in the wells by rigorously flicking into an acceptable waste receptacle.

10.4 Gently blot any remaining liquid from the wells by tapping inverted on the benchtop onto paper toweling. Do not allow the wells to completely dry at any time.

10.5 Add 100 µL of prepared 1X Biotinylated Anti-Mouse Sclerostin Antibody to each well.

10.6 Cover with the well-plate lid and Incubate for 60 minutes.

10.7 Discard the liquid in the wells by rigorously flicking into an acceptable waste receptacle.

10.8 Gently blot any remaining liquid from the wells by tapping inverted on the benchtop onto paper toweling. Do not allow the wells to completely dry at any time.

10.9 Wash plate 3 times with 1X Wash Buffer as follows:

10.9.1 Add 300 µL of 1X Wash Buffer to each assay well.

10.9.2 Incubate for 1 minute.

10.9.3 Discard the liquid in the wells by rigorously flicking into an acceptable waste receptacle.

10.9.4 Gently blot any remaining liquid from the wells by tapping inverted on the benchtop onto paper toweling. Do not allow the wells to completely dry at any time.

10.9.5 Repeat steps 10.9.1 through 10.9.4 two more times

10.10 Add 100 µL of prepared 1X Avidin-Biotin-Peroxidase Complex (ABC) into each well and incubate for 30 minutes.

10.11 Discard the liquid in the wells by rigorously flicking into an acceptable waste receptacle.

10.12 Gently blot any remaining liquid from the wells by tapping inverted on the benchtop onto paper toweling. Do not allow the wells to completely dry at any time.

10.13 Wash plate 5 times with 1X Wash Buffer as follows:

10.13.1 Add 300 µL of 1X Wash Buffer to each assay well.

10.13.2 Incubate for 1 minute.

10.13.3 Discard the liquid in the wells by rigorously flicking into an acceptable waste receptacle.

10.13.4 Gently blot any remaining liquid from the wells by tapping inverted on the benchtop onto paper toweling. Do not allow the wells to completely dry at any time.

10.13.5 Repeat steps 10.13.1 through 10.13.4 four more times.

10.14 Add 90 µL of TMB Color Developing Agent to each well and incubate in the dark for 25 - 30 minutes. (NOTE: optimal incubation time must be determined by the user. Optimal development can be visualized by blue shading in the top four standard wells, while the remaining standards are still clear.)

10.15 Add 100 µL of TMP Stop Solution to each well. Well color should change to yellow immediately.

10.16 Read the O.D. absorbance at 450 nm with a standard microplate reader within 30 minutes of stopping the reaction in step 10.15.
11. Calculation of Results

For analysis of the assay results, calculate the Relative \( \text{OD}_{450} \) for each test or standard well as follows:

\[
(\text{Relative } \text{OD}_{450}) = (\text{Well } \text{OD}_{450}) - (\text{Mean Blank Well } \text{OD}_{450})
\]

The standard curve is generated by plotting the mean replicate Relative \( \text{OD}_{450} \) of each standard serial dilution point vs. the respective standard concentration. The Mouse Sclerostin concentration contained in the samples can be interpolated by using linear regression of each mean sample Relative \( \text{OD}_{450} \) against the standard curve. This is best achieved using curve fitting software.

**Note:** if the samples measured were diluted, multiply the derived mean sample concentration by the dilution factor for a final sample concentration.

12. Typical Expected Data

12.1 **Typical absorbance values.** Expected absorbance for standards when TMB incubation is performed for 20 minutes at 37°C and measured at \( \text{OD}_{450} \).

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>8</th>
<th>7</th>
<th>6</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration (pg/mL)</td>
<td>0</td>
<td>15.6</td>
<td>31.2</td>
<td>62.5</td>
<td>125</td>
<td>250</td>
<td>500</td>
<td>1,000</td>
</tr>
<tr>
<td>( \text{OD}_{450} )</td>
<td>0.012</td>
<td>0.031</td>
<td>0.05</td>
<td>0.091</td>
<td>0.197</td>
<td>0.507</td>
<td>1.043</td>
<td>2.294</td>
</tr>
</tbody>
</table>

12.2 **Typical standard curve.** This standard curve is for demonstration purposes only. An assay specific standard curve should be performed with each assay.
### 12.3 General Specifications

<table>
<thead>
<tr>
<th>General Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Range</strong></td>
</tr>
<tr>
<td>15.6 pg/mL-1,000 pg/mL</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
</tr>
<tr>
<td>&lt; 10 pg/mL (Derived by linear regression of OD450 of the Mean Blank + 2xSD)</td>
</tr>
<tr>
<td><strong>Specificity</strong></td>
</tr>
<tr>
<td>Natural and recombinant Human Sclerostin</td>
</tr>
<tr>
<td>UniProt ID: Q99P68</td>
</tr>
<tr>
<td><strong>Cross-Reactivity</strong></td>
</tr>
<tr>
<td>No detectable cross-reactivity with other relevant proteins</td>
</tr>
<tr>
<td><strong>Recovery</strong></td>
</tr>
<tr>
<td>-</td>
</tr>
<tr>
<td><strong>Linearity</strong></td>
</tr>
<tr>
<td>-</td>
</tr>
</tbody>
</table>

### 12.4 Reproducibility

<table>
<thead>
<tr>
<th></th>
<th>Intra-Assay</th>
<th>Inter-Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample ID</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>n =</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Mean Measured</td>
<td>76</td>
<td>217</td>
</tr>
<tr>
<td>Concentration (pg/mL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Deviation (pg/mL)</td>
<td>5.55</td>
<td>12.6</td>
</tr>
<tr>
<td>Consistency (%CV)</td>
<td>7.3</td>
<td>5.8</td>
</tr>
</tbody>
</table>
13. Technical Resources

13.1 References


13.2 Technical Support

USA
Aviva Systems Biology, Corp.
5754 Pacific Center Blvd, Suite 201
San Diego, CA 92121

Phone: 858-552-6979
Toll Free: 888-880-0001
Fax: 858-552-6975

Technical support: techsupport@avivasysbio.com

China
Beijing AVIVA Systems Biology
6th Floor, B Building, Kaichi Tower
#A-2 Jinfu Road.
Daxing Industrial Development Zone
Beijing, 102600, CHINA

Phone: (86)10-60214720
Fax: (86)10-60214722
E-mail: support@avivasysbio.com.cn

中国地址：北京大兴工业开发区金府路甲2号凯驰大厦B座6层 (102600)
电话: 010-60214720/21
传真: 010-60214722

产品售前咨询及销售: sales@avivasysbio.com.cn
售后及技术支持: support@avivasysbio.com.cn