

## Mouse FETUB Antibody Pair Set

|                    |                                                                                           |                     |       |
|--------------------|-------------------------------------------------------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-KAB-0715                                                                                | <b>Applications</b> | ELISA |
| <b>Synonyms</b>    | FETUB;Fetuin B;fetuin beta;fetuin phosphoprotein;fetuin-B;Fetuin-like protein IRL685;16G2 |                     |       |

### Kit components & Storage

| Title                                   | Specifications | Storage                                    |
|-----------------------------------------|----------------|--------------------------------------------|
| Mouse FETUB Capture Antibody            | 1 vial, 100 µg | Store at -20℃. Avoid freeze / thaw cycles. |
| Mouse FETUB Detection Antibody (Biotin) | 1 vial, 50 µL  | Store at -20℃. Avoid freeze / thaw cycles. |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

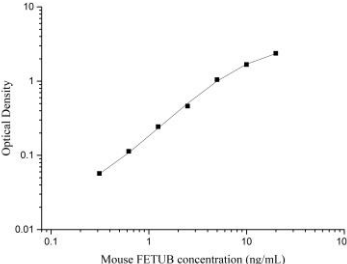
### Product Information

| Items                 |               | Characteristic (E-KAB-0715)                      |                                                                         |
|-----------------------|---------------|--------------------------------------------------|-------------------------------------------------------------------------|
|                       |               | Mouse FETUB Capture Antibody                     | Mouse FETUB Detection Antibody (Biotin)                                 |
| Immunogen Information | Immunogen     | Recombinant Mouse FETUB protein                  | Recombinant Mouse FETUB protein                                         |
|                       | Swissprot     | Q9QXC1                                           |                                                                         |
| Product details       | Reactivity    | Mouse                                            | Mouse                                                                   |
|                       | Host          | Rabbit                                           | Rabbit                                                                  |
|                       | Conjugation   | Unconjugated                                     | Biotin                                                                  |
|                       | Concentration | 0.5mg/mL                                         | /                                                                       |
|                       | Buffer        | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
|                       | Purify        | Affinity purification                            | Affinity purification                                                   |
|                       | Specificity   | Detects Mouse FETUB in ELISAs.                   |                                                                         |

### For Research Use Only

## Applications

### Mouse FETUB Sandwich ELISA Assay

|                                   | Recommended Concentration/Dilution | Reagent                                 | Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
|-----------------------------------|------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|-----|------|-----|-----|---|-----|---|-----|----|-----|----|-----|-----|-----|
| ELISA Capture                     | 0.5-4ug/mL                         | Mouse FETUB Capture Antibody            |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse FETUB concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.5</td><td>0.1</td></tr><tr><td>1</td><td>0.2</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>10</td><td>1.0</td></tr><tr><td>50</td><td>2.5</td></tr><tr><td>100</td><td>5.0</td></tr></tbody></table> | Mouse FETUB concentration (ng/mL) | Optical Density | 0.1 | 0.05 | 0.5 | 0.1 | 1 | 0.2 | 5 | 0.5 | 10 | 1.0 | 50 | 2.5 | 100 | 5.0 |
| Mouse FETUB concentration (ng/mL) | Optical Density                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 0.1                               | 0.05                               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 0.5                               | 0.1                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 1                                 | 0.2                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 5                                 | 0.5                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 10                                | 1.0                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 50                                | 2.5                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| 100                               | 5.0                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |
| ELISA Detection                   | 1:1000-1:10000                     | Mouse FETUB Detection Antibody (Biotin) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                 |     |      |     |     |   |     |   |     |    |     |    |     |     |     |

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

Protease inhibitor required for egg fertilization. Required to prevent premature zona pellucida hardening before fertilization, probably by inhibiting the protease activity of ASTL, a protease that mediates the cleavage of ZP2 and triggers zona pellucida hardening.