

Mouse GzmB Antibody Pair Set

| | | | |
|--------------------|---|---------------------|-------|
| Catalog No. | E-KAB-0331 | Applications | ELISA |
| Synonyms | GZM-B, HLP, CTLA1, CCPI, CGL1, CSP-B, CSPB, CTSLG1, SECT, Granzyme 2, Cathepsin G-like 1, T-cell serine protease 1-3E | | |

Kit components & Storage

| Title | Specifications | Storage |
|--|----------------|---|
| Mouse GzmB Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Mouse GzmB Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze / thaw cycles. |

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

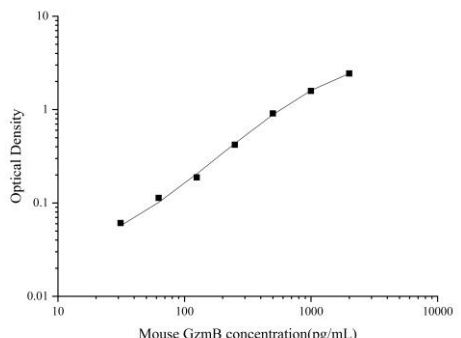
Product Information

| Items | | Characteristic (E-KAB-0331) | |
|-----------------------|---------------|--|---|
| | | Mouse GzmB Capture Antibody | Mouse GzmB Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Mouse GzmB protein | Recombinant Mouse GzmB protein |
| | Swissprot | P04187 | |
| Product details | Reactivity | Mouse | Mouse |
| | Host | Goat | Goat |
| | 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 | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Mouse GzmB in ELISAs. | |

For Research Use Only

Applications

Mouse GzmB Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | |
|----------------------------------|------------------------------------|--|---|----------------------------------|-----------------|----|------|-----|------|------|-----|-------|-----|
| ELISA Capture | 0.5-4µg/mL | Mouse GzmB Capture Antibody |  <p>The graph is a log-log plot of Optical Density versus Mouse GzmB concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Mouse GzmB concentration) ranges from 10 to 10000. The data points form a straight line with a positive slope, indicating a linear relationship between the log of concentration and the log of optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse GzmB concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.15</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>10000</td> <td>1.5</td> </tr> </tbody> </table> | Mouse GzmB concentration (pg/mL) | Optical Density | 10 | 0.05 | 100 | 0.15 | 1000 | 0.5 | 10000 | 1.5 |
| Mouse GzmB concentration (pg/mL) | Optical Density | | | | | | | | | | | | |
| 10 | 0.05 | | | | | | | | | | | | |
| 100 | 0.15 | | | | | | | | | | | | |
| 1000 | 0.5 | | | | | | | | | | | | |
| 10000 | 1.5 | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Mouse GzmB Detection Antibody (Biotin) | | | | | | | | | | | |

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

Background

Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response.