

Human GzmB Antibody Pair Set

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|--------------------|---|---------------------|-------|
| Catalog No. | E-KAB-0473 | Applications | ELISA |
| Synonyms | GZM-B;HLP;CTLA1;CCPI;CGL1;CSP-B;CSPB;CTSG1;SECT;Granzyme 2;Cathepsin G-like 1;T-cell serine protease 1-3E | | |

Kit components & Storage

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

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

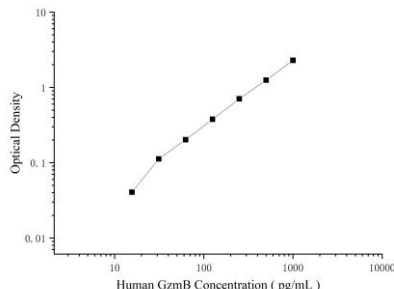
Product Information

| Items | | Characteristic (E-KAB-0473) | |
|-----------------------|---------------|--|---|
| | | Human GzmB Capture Antibody | Human GzmB Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human GzmB protien | Recombinant Human GzmB protien |
| | Swissprot | P10144 | |
| Product details | Reactivity | Human | Human |
| | Host | Goat | Goat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5 mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
| | Purify | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Human GzmB in ELISAs. | |

For Research Use Only

Applications

Human GzmB Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|--|--|----------------------------------|-----------------|----|------|----|-----|----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| ELISA Capture | 0.5-4 µg/mL | Human GzmB Capture Antibody |  <table><caption>Standard Curve Data (Estimated)</caption><thead><tr><th>Human GzmB Concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.1</td></tr><tr><td>50</td><td>0.2</td></tr><tr><td>100</td><td>0.4</td></tr><tr><td>200</td><td>0.8</td></tr><tr><td>500</td><td>1.5</td></tr><tr><td>1000</td><td>3.0</td></tr></tbody></table> | Human GzmB Concentration (pg/mL) | Optical Density | 10 | 0.05 | 20 | 0.1 | 50 | 0.2 | 100 | 0.4 | 200 | 0.8 | 500 | 1.5 | 1000 | 3.0 |
| Human GzmB Concentration (pg/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 10 | 0.05 | | | | | | | | | | | | | | | | | | |
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| 100 | 0.4 | | | | | | | | | | | | | | | | | | |
| 200 | 0.8 | | | | | | | | | | | | | | | | | | |
| 500 | 1.5 | | | | | | | | | | | | | | | | | | |
| 1000 | 3.0 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human 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.