

## Mouse GzmB Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0331	<b>Applications</b>	ELISA
<b>Synonyms</b>	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.

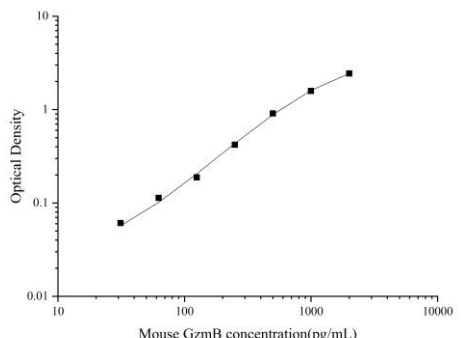
### Product Information

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. The x-axis is labeled 'Mouse GzmB concentration(pg/mL)' and ranges from 10 to 10000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Mouse GzmB and the 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>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.2</td> </tr> </tbody> </table>	Mouse GzmB concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.2
Mouse GzmB concentration (pg/mL)	Optical Density												
10	0.05												
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1000	0.8												
10000	3.2												
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.

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