

Mouse Granzyme B ELISA Kit | Gzmb elisa kit

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CATALOG #
AAA266539

REACTIVITY
Mouse

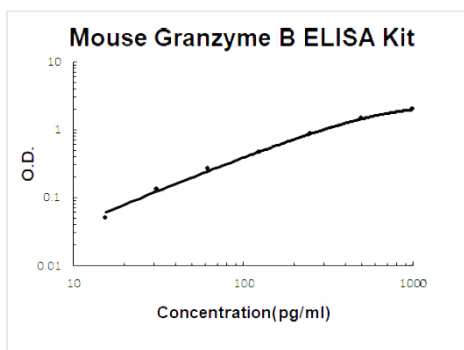
PRODUCT SYNONYMS

Granzyme B; Mouse Granzyme B ELISA Kit; Gzmb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Gzmb
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter- assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gzmb elisa kit	Background: Granzyme B is a serine protease that in humans is encoded by the GZMB gene. Granzyme B is expressed by cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. CTL and NK cells share the remarkable ability to recognize specific infected target cells. They are thought to protect their host by inducing apoptosis of cells that bear 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. Principle of the Assay: To measure Mouse Gzmb, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Gzmb in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Gzmb in the sample. Intended Uses: This kit Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Gzmb with a 96-well strip plate that is pre-coated with antibody specific for Gzmb. The detection antibody is a biotinylated antibody specific for Gzmb. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Gzmb protein as standards.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7305123
NCBI GeneID	14939
NCBI Accession #	NP_038570.1
NCBI GenBank Nucleotide #	NM_013542.3
UniProt Accession #	P04187
Molecular Weight	27,470 Da
NCBI Official Full Name	granzyme B(G,H) preproprotein
NCBI Official Synonym Full Names	granzyme B
NCBI Official Symbol	Gzmb
NCBI Official Synonym Symbols	GZB; CCP1; Ctla1; Ctla-1; AI553453; CCP-1/C11
NCBI Protein Information	granzyme B(G,H)
UniProt Protein Name	Granzyme B(G,H)
UniProt Gene Name	Gzmb
UniProt Synonym Gene Names	Ctla-1; Ctla1; CCP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.