

Mouse Granzymes B ELISA Kit | Gzms-B elisa kit

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CATALOG #
AAA83744

REACTIVITY
Mouse

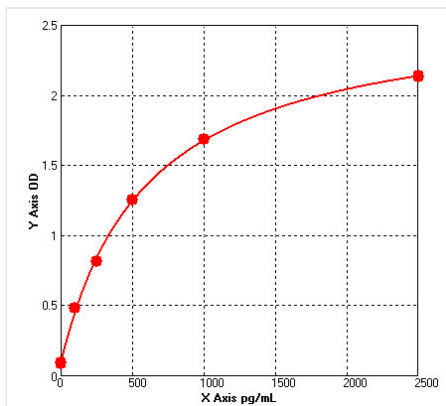
PRODUCT SYNONYMS

Granzymes B; Mouse Granzymes B ELISA Kit; Gzms-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GMB. No significant cross-reactivity or interference between GMB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GMB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gzms-B elisa kit	Intended Uses: This GMB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GMB. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GMB ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GMB. Standards or samples are then added to the microtiter plate wells and GMB if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GMB present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GMB are added to each well to "sandwich" the GMB immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GMB and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GMB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Gzms-B elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	221625528
NCBI GeneID	3002
NCBI Accession #	NP_004122.2
NCBI GenBank Nucleotide #	NM_004131.4
Molecular Weight	27,716 Da
NCBI Official Full Name	granzyme B
NCBI Official Synonym Full Names	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)
NCBI Official Symbol	GZMB
NCBI Official Synonym Symbols	HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1
NCBI Protein Information	granzyme B; C11; CTLA-1; fragmentin 2; fragmentin-2; cathepsin G-like 1; human lymphocyte protein; T-cell serine protease 1-3E; cytotoxic serine protease B; cytotoxic T-lymphocyte proteinase 2
UniProt Protein Name	Granzyme B
UniProt Gene Name	GZMB
UniProt Synonym Gene Names	CGL1; CSPB; CTLA1; GRB; CTSG1; Lymphocyte protease; HLP
UniProt Entry Name	GRAB_HUMAN

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.