

Human granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) ELISA Kit | GZMB elisa kit

Human granzymes B, Gzms-B ELISA Kit

CATALOG #

AAA80393

REACTIVITY

Human

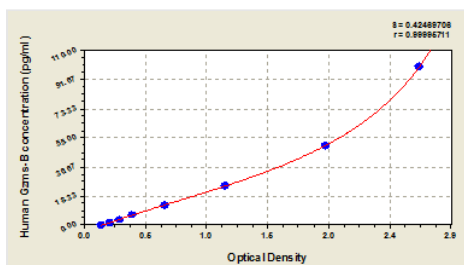
PRODUCT SYNONYMS

granzyme B (granzyme 2; cytotoxic T-lymphocyte-associated serine esterase 1); Human granzymes B; Gzms-B ELISA Kit; CCPI; CGL-1; CGL1; CSP-B; CSPB; CTLA1; CTSLG1; HLP; SECT; T-cell serine protease 1-3E; cathepsin G-like 1; cytotoxic serine protease B; fragmentin 2; granzyme B; GZMB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GZMB. No significant cross-reactivity or interference between human GZMB and analogues was observed.
Sequence Length	247
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	1.56 pg/ml-100 pg/ml
Sensitivity	< 0.39 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GZMB elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GZMB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GZMB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GZMB is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GZMB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221625528
NCBI GeneID	3002
NCBI Accession #	NP_004122.2
NCBI GenBank Nucleotide #	NM_004131.4
UniProt Accession #	P10144; Q8N1D2; Q9UCC1
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.