

Sheep Granzymes B ELISA Kit | Gzms-B elisa kit

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CATALOG #
AAA93566

REACTIVITY
Sheep

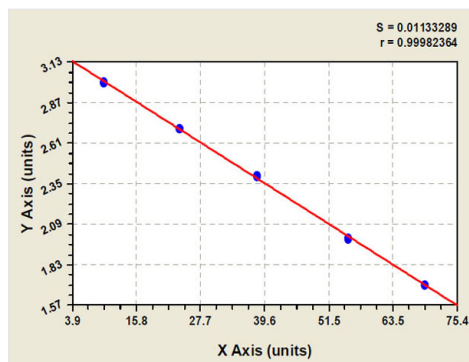
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This Gzms-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep Gzms-B. This ELISA kit for research use only, not for therapeutic applications
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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

Principle of the Assay: Gzms-B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Gzms-B antibody and an Gzms-B-HRP conjugate. The assay sample and buffer are incubated together with Gzms-B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Gzms-B concentration since Gzms-B from samples and Gzms-B-HRP conjugate compete for the anti-Gzms-B antibody binding site. Since the number of sites is limited, as more sites are occupied by Gzms-B from the sample, fewer sites are left to bind Gzms-B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Gzms-B concentration in each sample is interpolated from this standard curve.

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.