

Canine Granzymes A ELISA Kit | Gzms-A elisa kit

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CATALOG #
AAA91789

REACTIVITY
Canine

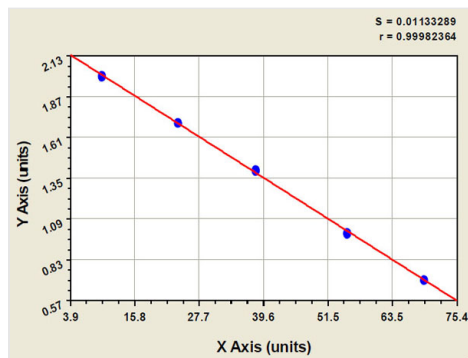
PRODUCT SYNONYMS

Granzymes A; Canine Granzymes A ELISA Kit; Gzms-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This GZMS-A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GZMS-A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gzms-A elisa kit

Principle of the assay: GZMS-A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GZMS-A antibody and an GZMS-A-HRP conjugate. The assay sample and buffer are incubated together with GZMS-A-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-A concentration since GZMS-A from samples and GZMS-A-HRP conjugate compete for the anti-GZMS-A antibody binding site. Since the number of sites is limited, as more sites are occupied by GZMS-A from the sample, fewer sites are left to bind GZMS-A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GZMS-A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453676
NCBI GeneID	3001
NCBI Accession #	NP_006135.1
NCBI GenBank Nucleotide #	NM_006144.3
Molecular Weight	27,109 Da
NCBI Official Full Name	granzyme A
NCBI Official Synonym Full Names	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
NCBI Official Symbol	GZMA
NCBI Official Synonym Symbols	HFSP; CTLA3
NCBI Protein Information	granzyme A; HF; h factor; CTL tryptase; fragmentin-1; cytotoxic T-lymphocyte proteinase 1; Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease)
UniProt Protein Name	Granzyme A
UniProt Gene Name	GZMA
UniProt Synonym Gene Names	CTLA3; HFSP; H factor; HF
UniProt Entry Name	GRAA_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.