

Canine Gremlin 1 ELISA Kit | GREM1 elisa kit

Canine Gremlin 1 ELISA Kit

CATALOG #
AAA91252

REACTIVITY
Canine

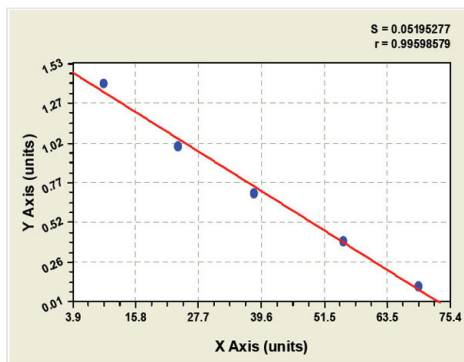
PRODUCT SYNONYMS

Gremlin 1; Canine Gremlin 1 ELISA Kit; GREM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
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 GREM1 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE: This GREM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GREM1. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY: GREM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GREM1 antibody and an GREM1-HRP conjugate. The assay sample and buffer are incubated together with GREM1-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 GREM1 concentration since GREM1 from samples and GREM1-HRP conjugate compete for the anti-GREM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GREM1 from the sample, fewer sites are left to bind GREM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GREM1 concentration in each sample is interpolated from this standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	300797328
NCBI GeneID	26585
NCBI Accession #	NP_001178252.1
NCBI GenBank Nucleotide #	NM_001191323.1
Molecular Weight	16,292 Da
NCBI Official Full Name	gremlin-1 isoform 2
NCBI Official Synonym Full Names	gremlin 1, DAN family BMP antagonist
NCBI Official Symbol	GREM1
NCBI Official Synonym Symbols	DRM; HMPS; PIG2; CRAC1; DAND2; IHG-2; GREMLIN; CKTSF1B1
NCBI Protein Information	gremlin-1; gremlin 1-like protein; DAN domain family member 2; increased in high glucose-2; colorectal adenoma and carcinoma 1; cell proliferation-inducing gene 2 protein; cysteine knot superfamily 1, BMP antagonist 1; gremlin 1, cysteine knot superfamily, homolog; down-regulated in Mos-transformed cells protein
UniProt Protein Name	Gremlin-1
UniProt Gene Name	GREM1
UniProt Synonym Gene Names	CKTSF1B1; DAND2; DRM; PIG2; IHG-2
UniProt Entry Name	GREM1_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.