

Rat Gremlin 1 ELISA Kit | GREM1 elisa kit

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CATALOG #
AAA84039

REACTIVITY
Rat

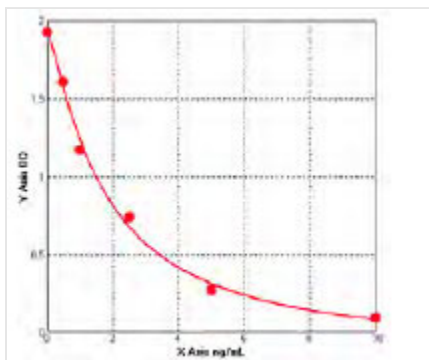
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GREM-1. No significant cross-reactivity or interference between GREM-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GREM-1 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
Sensitivity	0.1 ng/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	Intended Uses: This GREM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatGREM-1. This ELISA kit for research use only! Principle of the Assay: GREM-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GREM-1 antibody and an GREM-1-HRP conjugate. The assay sample and buffer are incubated together with GREM-1-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 GREM-1 concentration since GREM-1 from samples and GREM-1-HRP conjugate compete for the anti-GREM-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GREM-1 from the sample, fewer sites are left to bind GREM-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GREM-1 concentration in each sample is interpolated from this standard curve.
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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.

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Online datasheet: <https://stage.aaabiotech.com/grem1-rat-elisa-kits/gremlin-1/84039>