

Human Gremlin 1 (GREM1) ELISA Kit | GREM1 elisa kit

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CATALOG #
AAA20432

REACTIVITY
Human

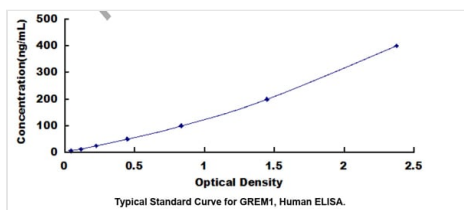
PRODUCT SYNONYMS

Gremlin 1 (GREM1); Human Gremlin 1 (GREM1) ELISA Kit; PIG2; CKTSF1B1; DAND2; IHG-2; DRM; Increased in high glucose protein 2; Cell proliferation-inducing gene 2 protein; Cysteine knot superfamily 1; BMP antagonist 1; GREM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GREM1. No significant cross-reactivity or interference between GREM1 and analogues was observed.
Sequence Length	184
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, urine, tissue homogenates and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	< 2.75ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GREM1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GREM1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GREM1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GREM1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GREM1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GREM1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GREM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GREM1 in human serum, plasma, urine, tissue homogenates and other biological fluids.
Product Categories/Family for GREM1 elisa kit	Signal transduction; Tumor immunity; Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	15929743
NCBI GeneID	23892
UniProt Accession #	O70326
Molecular Weight	20,710 Da
NCBI Official Full Name	Gremlin 1
NCBI Official Synonym Full Names	gremlin 1
NCBI Official Symbol	Grem1
NCBI Official Synonym Symbols	Id; Drm; Grem; Cktsf1b1
NCBI Protein Information	gremlin-1
UniProt Protein Name	Gremlin-1
UniProt Gene Name	Grem1
UniProt Synonym Gene Names	Cktsf1b1; Drm
UniProt Entry Name	GREM1_MOUSE

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.