

Human Gremlin 2 (GREM2) ELISA Kit | GREM2 elisa kit

Human Gremlin 2 (GREM2) ELISA Kit

CATALOG #
AAA188321

REACTIVITY
Human

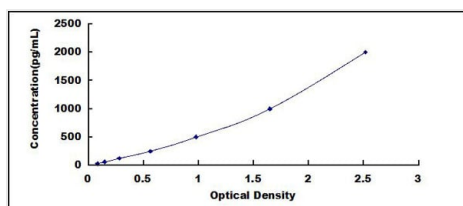
PRODUCT SYNONYMS

Gremlin 2 (GREM2); Human Gremlin 2 (GREM2) ELISA Kit; Prdc; CKTSF1B2; DAND3; Cysteine Knot Superfamily;Homolog; Protein Related To DAN And Cerberus; DAN domain family member 3; GREM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Gremlin 2 (GREM2). No significant cross-reactivity or interference between Gremlin 2 (GREM2) and analogues was observed.
Sequence Length	168
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 11.6pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Gremlin 2 (GREM2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Gremlin 2 (GREM2) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ 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 GREM2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Gremlin 2 (GREM2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Gremlin 2 (GREM2). 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 Gremlin 2 (GREM2), 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 Gremlin 2 (GREM2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	71164892
NCBI GeneID	64388
NCBI Accession #	NP_071914.3
NCBI GenBank Nucleotide #	NP_071914.3
UniProt Accession #	Q9H772
NCBI Official Full Name	gremlin-2
NCBI Official Synonym Full Names	gremlin 2, DAN family BMP antagonist
NCBI Official Symbol	GREM2
NCBI Official Synonym Symbols	PRDC; DAND3; STHAG9; CKTSF1B2
NCBI Protein Information	gremlin-2
UniProt Protein Name	Gremlin-2
UniProt Gene Name	GREM2
UniProt Synonym Gene Names	CKTSF1B2; DAND3; PRDC
UniProt Entry Name	GREM2_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.