

Human GREM2 ELISA Kit | GREM2 elisa kit

Human GREM2 PicoKine ELISA Kit

CATALOG #
AAA46701

REACTIVITY
Human

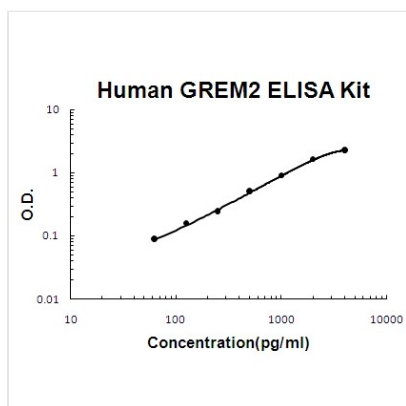
PRODUCT SYNONYMS

GREM2; Human GREM2 PicoKine ELISA Kit; DAND 3; DAND3; GREM 2; Gremlin2; Gremlin-2; Gremlin 2; PRDC; Q9H772; gremlin 2; DAN family BMP antagonist; GREM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human GREM2
Sequence Length	168
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human GREM2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GREM2 elisa kit	Principle of the Assay: Human GREM2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for GREM2 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: R22-Q168) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GREM2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human GREM2 amount of sample captured in plate. Background/Introduction: GREM2, also known as PRDC, is one of several BMP antagonists that regulate the functions of BMPs during embryonic development and tissue differentiation. BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted glycosylated protein encoded by this gene is likely due to its direct binding to BMP proteins. The PRDC gene is mapped to chromosome 1q43.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71164892
NCBI GeneID	64388
NCBI Accession #	NP_071914.3
NCBI GenBank Nucleotide #	NM_022469.3
UniProt Accession #	Q9H772; Q86UD9
Molecular Weight	19,320 Da
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; 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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/grem2/46701>