

Mouse Gremlin 2 ELISA Kit | GREM2 elisa kit

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CATALOG #
AAA263123

REACTIVITY
Mouse

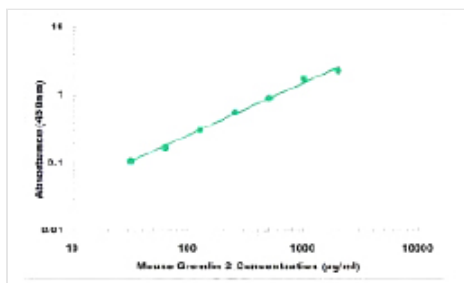
PRODUCT SYNONYMS

Gremlin 2; Mouse Gremlin 2 ELISA Kit; CKTSF1B2; DAND3; PRDC; Gremlin-2; Cysteine knot superfamily 1; BMP antagonist 2; DAN domain family member 3; Protein related to DAN and cerberus; GREM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Gremlin 2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Gremlin 2 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	168
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GREM2 elisa kit

Principle of the Assay: The Mouse Gremlin 2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Gremlin 2 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse Gremlin 2 coated on a 96-well plate. Standards and samples are pipetted into the wells and Gremlin 2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Gremlin 2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Gremlin 2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754070
NCBI GeneID	23893
NCBI Accession #	NP_035955.1
NCBI GenBank Nucleotide #	NM_011825.1
UniProt Accession #	O88273
Molecular Weight	19,334 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; Gremlin2
NCBI Protein Information	gremlin-2
UniProt Protein Name	Gremlin-2
UniProt Gene Name	Grem2
UniProt Synonym Gene Names	Cktsf1b2; Prdc; PRDC
UniProt Entry Name	GREM2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/grem2-mouse-elisa-kits/gremlin-2/263123>