

## Mouse Gremlin 2 ELISA Kit | GREM2 elisa kit

Mouse Gremlin 2 ELISA Kit

CATALOG #  
**AAA263123**

REACTIVITY  
**Mouse**

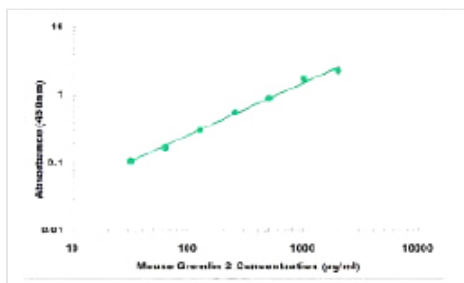
### PRODUCT SYNONYMS

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                | <b>Grem2</b>                         |
| 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.

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