

# GREM1 monoclonal antibody (M01), clone 4D8

Catalog # H00026585-M01

Size 100 ug

## Applications



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant GREM1.
<b>Immunogen</b>	GREM1 (NP_037504, 75 a.a. ~ 184 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	ESSQEALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGCNSFYIPRHIRKEEGSFQSCSFCKPKKFTTMMVTLNCPQLQPPTKKKRVTRVKQCRCISIDLD
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (97); Rat (98)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — GREM1

Entrez GeneID [26585](#)

GeneBank Accession# [NM\\_013372](#)

Protein Accession# [NP\\_037504](#)

Gene Name GREM1

Gene Alias CKTSF1B1, DAND2, DRM, GREMLIN, IHG-2, MGC126660, PIG2

Gene Description gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)

Omim ID [603054](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, 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. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to relay the sonic hedgehog (SHH) signal from the polarizing region to the apical ectodermal ridge during limb bud outgrowth. [provided by RefSeq]

**Other Designations** cysteine knot superfamily 1, BMP antagonist 1|down-regulated in Mos-transformed cells|gremlin 1-like protein|gremlin-1|increased in high glucose-2|proliferation-inducing gene 2

## Disease

- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)