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# Anti-Gremlin-1 Reference Antibody (Ginisortamab)

Recombinant Antibody
Catalog # APR10694

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | O60565 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG4SP |
| **Calculated MW** | 20697 |

## Additional Information

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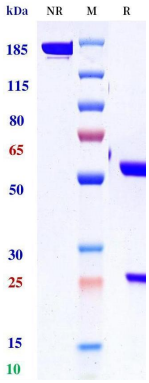
|---|---|
| **Target/Specificity** | Gremlin-1 |
| **Endotoxin Conjugation** | Unconjugated |
| **Expression system** | CHO |
| **Format** | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column. |

## Protein Information

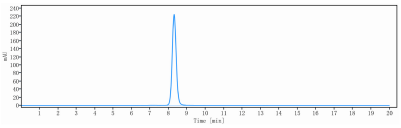
| | |
|---|---|
| **Name** | GREM1 |
| **Synonyms** | CKTSF1B1, DAND2, DRM |
| **Function** | Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as a BMP antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop. Down-regulates the BMP4 signaling in a dose-dependent manner (By similarity). Antagonist of BMP2; inhibits BMP2-mediated differentiation of osteoblasts (in vitro) (PubMed:27036124). Acts as inhibitor of monocyte chemotaxis. Can inhibit the growth or viability of normal cells but not transformed cells when is overexpressed (By similarity). |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Highly expressed in small intestine, fetal brain and colon. Expression is restricted to intestinal subepithelial myofibroblasts (ISEMFs) at the crypt base. In subjects with HMPS1, by contrast, GREM1 is expressed, not only in basal ISEMFs, but also at very high levels in epithelial cells (predominantly colonocytes), with expression extending most of the way up the sides of the crypt. Weakly expressed in brain, ovary, prostate, pancreas and skeletal |

muscle. In brain found in the region localized around the internal capsule in the large subcortical nuclei, including caudate, putamen, substantia nigra, thalamus and subthalamus. Predominantly expressed in normal cells including neurons, astrocytes and fibroblasts

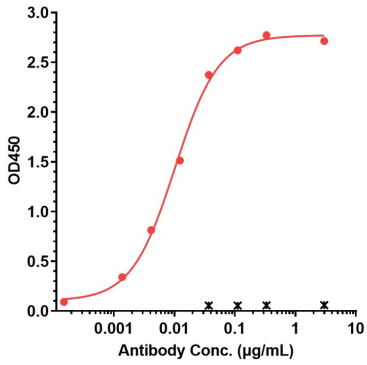
## Images




Anti-Gremlin-1 Reference Antibody (Ginisortamab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Gremlin-1 Reference Antibody (Ginisortamab) is 99.57%, determined by SEC-HPLC.




Immobilized Human Gremlin / GREM1 Protein, His Tag at 2 µg/mL can bind Ginisortamab, EC50= 0.01022 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.