

ARG81600 Human GREM2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81600-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81600-002	Standard	2 X 10 ng/vial	4°C
ARG81600-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81600-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81600-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81600-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81600-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81600-008	25X Wash buffer	20 ml	4°C
ARG81600-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81600-010	STOP solution	10 ml (Ready to use)	4°C
ARG81600-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81600 Human GREM2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GREM2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	GREM2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.4% Inter-Assay CV: 8.3%
Alternate Names	PRDC; Gremlin-2; DAND3; Protein related to DAN and cerberus; CKTSF1B2; DAN domain family member 3; Cysteine knot superfamily 1, BMP antagonist 2

Application Instructions

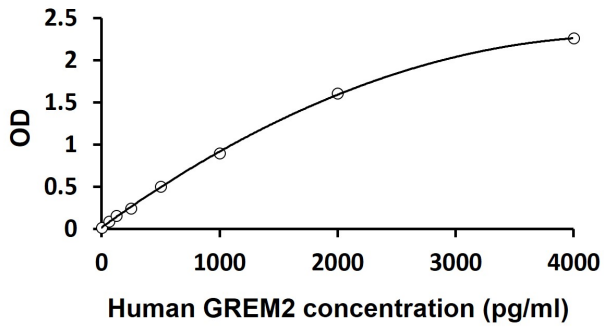
Assay Time ~ 5 hours

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GREM2
Gene Full Name	gremlin 2, DAN family BMP antagonist
Background	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. [provided by RefSeq, Jul 2008]
Function	Cytokine that inhibits the activity of BMP2 and BMP4 in a dose-dependent manner, and thereby modulates signaling by BMP family members. Contributes to the regulation of embryonic morphogenesis via BMP family members. Antagonizes BMP4-induced suppression of progesterone production in granulosa cells (By similarity). [UniProt]
Highlight	Related products: GREM2 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81600 Human GREM2 ELISA Kit standard curve image

ARG81600 Human GREM2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.