

Datasheet for ABIN5510697

GREM2 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	GREM2
Binding Specificity:	AA 22-168
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse GREM2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: R22-Q168
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Highly expressed in the ovary, followed by brain, spleen, colon, kidney and uterus. In ovary expressed in granulosa cells of selective early antral follicles. .

Target Details

Target:	GREM2
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Target Details

Alternative Name: Grem2 ([GREM2 Products](#))

Background: Protein 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. .

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.

Synonyms: Gremlin-2, Cysteine knot superfamily 1, BMP antagonist 2, Protein related to DAN and cerberus, PRDC, Grem2, Cktsf1b2, Prdc,

Full Gene Name: Gremlin-2

Cellular Localisation: Secreted.

UniProt: [O88273](#)

Application Details

Plate: Pre-coated

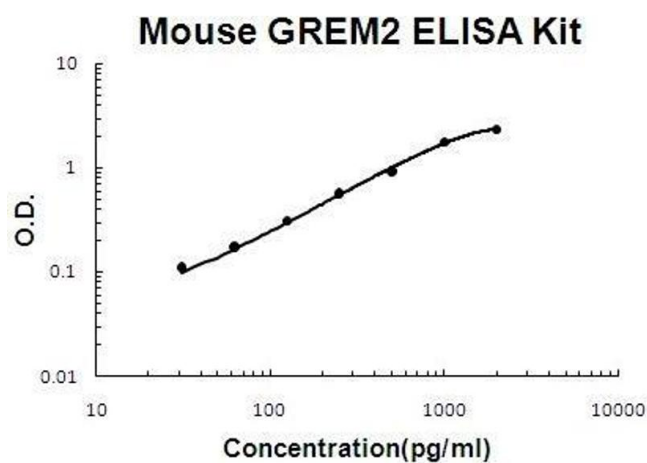
Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Mouse GREM2 PicoKine ELISA Kit standard curve