

Datasheet for ABIN2703067

GREM1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	GREM1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.8-200 ng/mL
Minimum Detection Limit:	0.8 ng/mL
Application:	ELISA

Product Details

Purpose:	Mouse Gremlin-1 ELISA Kit for cell culture supernatants, EDTA treated plasma, and serum samples. Heparin and citrate are not recommended.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: Mouse 6Ckine, Activin A, ADAMTS1, Adiponectin, ANG-3, ANGPTL3, Artemin, CCL28, CD36, Chordin, CRP, E-Cadherin, Epigen, Epiregulin, Fas, Galectin-7, gp130, Granzyme B, IFN-gamma R1, IL-17B, IL-17B R, IL-22, MIP-1 beta, MMP-2, MMP-3, MMP-10, PDGF-AA, Persephin, sFRP-3, Shh-N, SLAM, TCK-1, TECK, TGF beta-1, TRANCE, TremL1, TWEAK, VEGF-B, VEGF-R2.
Sensitivity:	0.8 ng/mL

Product Details

Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data
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Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 µL volumes• Adjustable 1-25 µL pipettes for reagent preparation• 100 µL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• Log-log graph paper or computer and software for ELISA data analysis
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Target Details

Target:	GREM1
Alternative Name:	Gremlin-1 (GREM1 Products)
Background:	Gene Names: Grem1 Cktsf1b1 Drm Protein names: Gremlin-1 (Cysteine knot superfamily 1, BMP antagonist 1) (Down-regulated in Mos-transformed cells protein)
Gene ID:	23892
UniProt:	O70326
Pathways:	Regulation of Muscle Cell Differentiation , Tube Formation , Maintenance of Protein Location

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples2 fold
Sample Volume:	100 µL

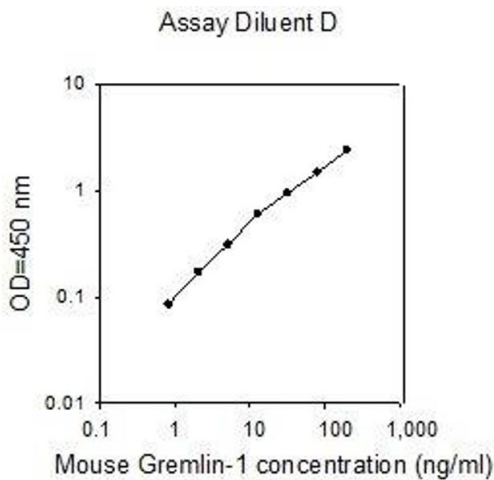
Application Details

Plate:	Pre-coated
Protocol:	<div><div>1. Prepare all reagents, samples and standards as instructed in the manual.</div><div>2. Add 100 µL of standard or sample to each well.</div><div>3. Incubate 2.5 h at RT or O/N at 4 °C.</div><div>4. Add 100 µL of prepared biotin antibody to each well.</div><div>5. Incubate 1 h at RT.</div><div>6. Add 100 µL of prepared Streptavidin solution to each well.</div><div>7. Incubate 45 min at RT.</div><div>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</div><div>9. Incubate 30 min at RT.</div><div>10. Add 50 µL of Stop Solution to each well.</div><div>11. Read at 450 nm immediately.</div></div>
Sample Preparation:	Collect plasma using EDTA as an anticoagulant. Heparin and citrate are not recommended.
Restrictions:	For Research Use only

Handling

Storage:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.
Expiry Date:	6 months

Images



ELISA

Image 1.