

Mouse Growth Differentiation Factor 7 (GDF7) ELISA Kit | GDF7 elisa kit

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CATALOG #
AAA85056

REACTIVITY
Mouse

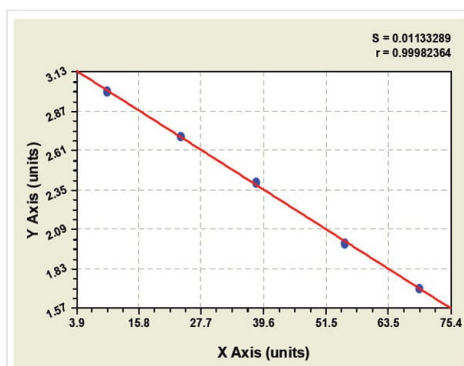
PRODUCT SYNONYMS

Growth Differentiation Factor 7 (GDF7); Mouse Growth Differentiation Factor 7 (GDF7) ELISA Kit; Mouse Growth Differentiation Factor 7 (GDF7); GDF7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF7 elisa kit

For Samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

Intended Uses: This GDF7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GDF7. This ELISA kit for research use only!

Principle of the Assay: GDF7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF7 antibody and an GDF7-HRP conjugate. The assay sample and buffer are incubated together with GDF7-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GDF7 concentration since GDF7 from samples and GDF7-HRP conjugate compete for the anti-GDF7 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF7 from the sample, fewer sites are left to bind GDF7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF7 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF7 elisa kit

[Mouse ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NM_001511.3
UniProt Accession #	P09341; Q9UCR7
Molecular Weight	11,301 Da
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
NCBI Protein Information	growth-regulated alpha protein; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrophil-activating protein 3; melanoma growth stimulatory activity alpha; GRO1 oncogene (melanoma growth-stimulating activity); GRO1 oncogene (melanoma growth stimulating activity, alpha)
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MGSA; SCYB1; MGSA; NAP-3
UniProt Entry Name	GROA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/growth-differentiation-factor-7-gdf7/85056>