

Mouse growth differentiation factor 2 ELISA Kit | GDF2 elisa kit

Mouse bone morphogenetic protein 9, BMP-9 ELISA Kit

CATALOG #
AAA80127

REACTIVITY
Mouse

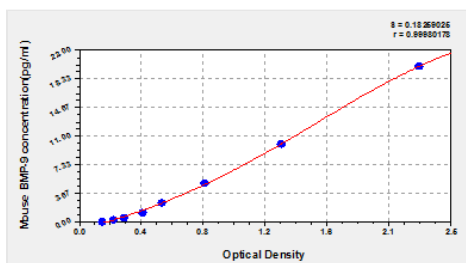
PRODUCT SYNONYMS

growth differentiation factor 2; Mouse bone morphogenetic protein 9; BMP-9 ELISA Kit; BMP-9; BMP9; bone morphogenetic protein 9; GDF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse GDF2. No significant cross-reactivity or interference between Mouse GDF2 and analogues was observed.
Sequence Length	428
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 pg/ml-20 pg/ml
Sensitivity	0.078 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for BMP-9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BMP-9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BMP-9 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BMP-9 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83582807
NCBI GeneID	12165
NCBI Accession #	NP_062379.3
NCBI GenBank Nucleotide #	NM_019506.4
UniProt Accession #	Q9WV56; Q3ZAS6; Q9QZE0
Molecular Weight	47,703 Da
NCBI Official Full Name	growth/differentiation factor 2
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	Gdf2
NCBI Official Synonym Symbols	Bmp9
NCBI Protein Information	growth/differentiation factor 2; BMP-9; GDF-2; bone morphogenetic protein 9
UniProt Protein Name	Growth/differentiation factor 2
UniProt Gene Name	Gdf2
UniProt Synonym Gene Names	Bmp9; GDF-2; BMP-9
UniProt Entry Name	GDF2_MOUSE

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.