

Mouse Mab21 Domain Containing Protein 1 (MB21D1) ELISA Kit | MB21D1 elisa kit

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CATALOG #
AAA189889

REACTIVITY
Mouse

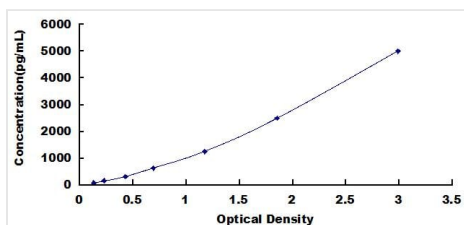
PRODUCT SYNONYMS

Mab21 Domain Containing Protein 1 (MB21D1); Mouse Mab21 Domain Containing Protein 1 (MB21D1) ELISA Kit; C6orf150; cGAS; Cyclic GMP-AMP synthase; MB21D1/Mab21 Domain Containing Protein 1; MB21D1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MB21D1. No significant cross-reactivity or interference between MB21D1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 30pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MB21D1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MB21D1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MB21D1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MB21D1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MB21D1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MB21D1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MB21D1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MB21D1 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for MB21D1 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	116812912
NCBI GeneID	214763
NCBI Accession #	NP_775562
NCBI GenBank Nucleotide #	NM_173386.5
UniProt Accession #	Q8C6L5; Q3ULW3
Molecular Weight	58,194 Da
NCBI Official Full Name	cyclic GMP-AMP synthase
NCBI Official Synonym Full Names	Mab-21 domain containing 1
NCBI Official Symbol	Mb21d1
NCBI Official Synonym Symbols	cGAS; E330016A19Rik
NCBI Protein Information	cyclic GMP-AMP synthase
UniProt Protein Name	Cyclic GMP-AMP synthase
UniProt Gene Name	Mb21d1
UniProt Synonym Gene Names	cGAMP synthase; cGAS; m-cGAS
UniProt Entry Name	CGAS_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/mab21-domain-containing-protein-1-mb21d1/189889>