

Mouse PM20D1 ELISA Kit | PM20D1 elisa kit

Mouse PM20D1 Immunoassay Kit

CATALOG #
AAA60563

REACTIVITY
Mouse

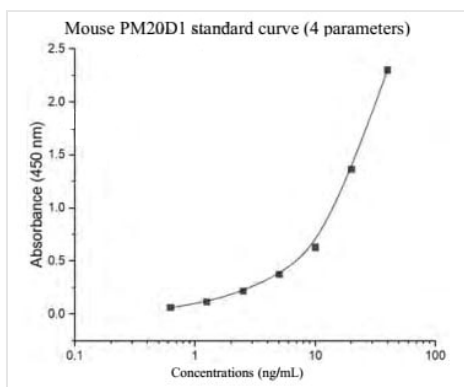
PRODUCT SYNONYMS

PM20D1; Mouse PM20D1 Immunoassay Kit; Mouse PM20D1; PM20D1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	No cross reactivity or interference was observed when test with recombinant human PM20D1 protein.
Assay Type	Quantitative Sandwich
Samples	Serum or plasma samples
Sensitivity	0.156 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within one assay) One sample of known concentration were tested 8 times on same plate. C.V.: 3.8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) One sample of known concentration were tested in 8 separate assays. C.V.: 4.9%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PM20D1 elisa kit	Background: PM20D1 is a bidirectional N-fatty-acyl amino acid synthase/hydrolase that regulates the production of N-fatty-acyl amino acids. These metabolites are endogenous chemical uncouplers of mitochondrial respiration. In a UCP1-independent manner, maybe through interaction with mitochondrial transporters, they promote proton leakage into the mitochondrial matrix. PM20D1 may indirectly regulate the bodily dissipation of chemical energy as heat through thermogenic respiration. Principle of the Assay: This assay is a quantitative sandwich enzyme-linked immunosorbent assay (ELISA). The microtiter plate is precoated with affinity purified polyclonal antibody against mouse PM20D1. Standards and samples are pipetted into the wells and any mouse PM20D1 present is bounded by the immobilized antibody. After washing away any unbound substances, a biotin-labelled polyclonal antibody against mouse PM20D1 is added to the wells. After washing step to remove any unbound reagents, Streptavidinhorseradish peroxidase (STP-HRP) conjugate is added. After the last wash step, a HRP substrate solution containing 3,3',5,5'-Tetramethylbenzidine (TMB) is added, and color develops in proportion to the amount of mouse PM20D1 bound initially. Color reaction is stopped by 2M H2SO4 and the optical density of the wells are determined using a microtiter plate reader at 450nm. Since the increases in absorbance are directly proportional to the amount of captured mouse PM20D1, the unknown sample concentration can be calculated from the standard curve included in each assay. Intended Uses: This Mouse PM20D1 ELISA kit is designed for the detection and quantitative measurement of mouse PM20D1 in serum or plasma samples.
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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/pm20d1/60563>