

Mouse 2-acylglycerol O-acyltransferase 1 (MOGAT1) ELISA Kit | MOGAT1 elisa kit

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CATALOG #
AAA245215

REACTIVITY
Mouse

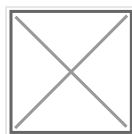
PRODUCT SYNONYMS

2-acylglycerol O-acyltransferase 1 (MOGAT1); Mouse 2-acylglycerol O-acyltransferase 1 (MOGAT1) ELISA Kit; MOGAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOGAT1 elisa kit

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

Principle of the Assay: MOG-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Myelin Oligodendrocyte Glycoprotein antigen and an MOG-Ab-HRP conjugate. The assay sample and buffer are incubated together with MOG-Ab-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 MOG-Ab concentration since MOG-Ab from samples and MOG-Ab-HRP conjugate compete for the Myelin Oligodendrocyte Glycoprotein antigen binding site. Since the number of sites is limited, as more sites are occupied by MOG-Ab from the sample, fewer sites are left to bind MOG-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MOG-Ab concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MOGAT1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	148746191
NCBI GeneID	116255

NCBI Accession #	NP_477513.2
NCBI GenBank Nucleotide #	NM_058165.2
Molecular Weight	38,812 Da
NCBI Official Full Name	2-acylglycerol O-acyltransferase 1
NCBI Official Synonym Full Names	monoacylglycerol O-acyltransferase 1
NCBI Official Symbol	MOGAT1
NCBI Official Synonym Symbols	MGAT1; DGAT2L; DGAT2L1
NCBI Protein Information	2-acylglycerol O-acyltransferase 1; hDC2; diacylglycerol O-acyltransferase 2 like 1; acyl-CoA:monoacylglycerol acyltransferase 1; diacylglycerol O-acyltransferase candidate 2; diacylglycerol acyltransferase 2-like protein 1
UniProt Protein Name	2-acylglycerol O-acyltransferase 1
UniProt Gene Name	MOGAT1
UniProt Synonym Gene Names	DC2; DGAT2L1; MGAT1; hDC2
UniProt Entry Name	MOGT1_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/2-acylglycerol-o-acyltransferase-1-mogat1/245215>