

Human Monoacylglycerol-O-acyltransferase 2 (MOGAT2) ELISA Kit | MOGAT2 elisa kit

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CATALOG #
AAA63543

REACTIVITY
Human

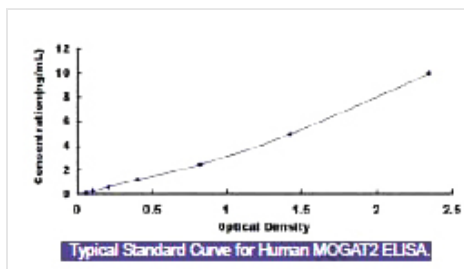
PRODUCT SYNONYMS

Monoacylglycerol-O-acyltransferase 2 (MOGAT2); Human Monoacylglycerol-O-acyltransferase 2 (MOGAT2) ELISA Kit; MGAT2; DGAT2L5; DC5; 2-Acylglycerol O-Acyltransferase 2; Diacylglycerol O-acyltransferase candidate 5; Diacylglycerol acyltransferase 2-like protein 5; MOGAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MOGAT2. No significant cross-reactivity or interference between MOGAT2 and analogues was observed.
Sequence Length	334
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MOGAT2 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 MOGAT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOGAT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MOGAT2 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MOGAT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MOGAT2. 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 MOGAT2, 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 MOGAT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37537527
NCBI GeneID	80168
NCBI Accession #	NP_079374.2
NCBI GenBank Nucleotide #	NM_025098.3
UniProt Accession #	Q3SYC2; Q3SYC1; Q6ZQZ2; Q86UH6; Q9H630; A8K7I3
Molecular Weight	32,298 Da
NCBI Official Full Name	2-acylglycerol O-acyltransferase 2
NCBI Official Synonym Full Names	monoacylglycerol O-acyltransferase 2
NCBI Official Symbol	MOGAT2
NCBI Official Synonym Symbols	hDC5; MGAT2; DGAT2L5; DGAT2L5.
NCBI Protein Information	2-acylglycerol O-acyltransferase 2
UniProt Protein Name	2-acylglycerol O-acyltransferase 2
UniProt Gene Name	MOGAT2
UniProt Synonym Gene Names	DC5; DGAT2L5; MGAT2; hMGAT2; hDC5

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/human-elisa-kits/monoacylglycerol-o-acyltransferase-2-mogat2/63543>