GOT2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GOT2, Monoclonal Antibody
Full Product Name	GOT2
Product Gene Name	anti-GOT2 antibody
Product Synonym Names	Aspartate aminotransferase, mitochondrial; Fatty acid-binding protein; Glutamate oxaloacetate transaminase 2; Kynurenine aminotransferase 4; Kynurenine aminotransferase IV; Kynurenine--oxoglutarate transaminase 4; Kynurenine--oxoglutarate transaminase IV; Plasma membrane-associated fatty acid-binding protein; Transaminase A; mAspAT; FABP-1; FABPpm; GOT2
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D6-E9
Host	Mouse
Species Reactivity	Human, Mouse, Rat, Monkey
Form/Format	1*TBS (pH7.4), 1% BSA, 0.05% Sodium Azide.
Purity/Purification	Protein A Affinity Purified
Preparation and Storage	Store at 4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.
OMIM	138150
3D Structure	ModBase 3D Structure for P00505
Immunogen	Recombinant Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-GOT2 antibody	MBS8565088 is an antibody targeting GOT2. Reactive in Human, Mouse, Rat, Monkey. Host: Mouse.
Other Notes	Small volumes of anti-GOT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GOT2. It may not necessarily be applicable to this product.

NCBI GI #	73486658
NCBI GeneID	2806
NCBI Accession #	NP_002071.2
UniProt Primary Accession #	P00505
UniProt Secondary Accession #	P05202; P00507
UniProt Related Accession #	P00505
GenBank Nucleotide #	NP_002071.2

NCBI Official Full Name	aspartate aminotransferase, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 2
NCBI Official Symbol	GOT2
NCBI Official Synonym Symbols	KAT4; KATIV; KYAT4; mitAAT
UniProt Protein Name	Aspartate aminotransferase, mitochondrial
UniProt Synonym Protein Names	Fatty acid-binding protein; FABP-1; Glutamate oxaloacetate transaminase 2; Kynurenine aminotransferase 4; Kynurenine aminotransferase IV; Kynurenine--oxoglutarate transaminase 4; Kynurenine--oxoglutarate transaminase IV; Plasma membrane-associated fatty acid-binding protein; FABPpm; Transaminase A
UniProt Gene Name	GOT2
UniProt Synonym Gene Names	mAspAT; FABP-1; FABPpm
UniProt Entry Name	AATM_HUMAN
NCBI Protein Information	aspartate aminotransferase, mitochondrial
NCBI Summary for GOT2	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]
Research Articles on GOT2	**1.** Study utilizing integrative analysis of transcriptomic, metabolomic, and clinical data propose a model of GOT2 transcriptional regulation, in which the cooperative phosphorylation of STAT3 and direct joint binding of STAT3 and p65/NF-kappaB to the proximal GOT2 promoter are important. Furthermore, high aberrant GOT2 expression is prognostic in diffuse large B-cell lymphoma.
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