

Human glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) ELISA Kit | GOT2 elisa kit

Human glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) , GOT2 ELISA Kit

CATALOG # AAA112962	REACTIVITY Human
-------------------------------	----------------------------

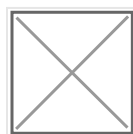
PRODUCT SYNONYMS

glutamic-oxaloacetic transaminase 2; mitochondrial (aspartate aminotransferase 2); Human glutamic-oxaloacetic transaminase 2; GOT2 ELISA Kit; mitochondrial (aspartate aminotransferase 2) (GOT2) ELISA kit; FLJ40994; KAT4; KATIV; mitAAT; aspartate aminotransferase 2; kynurenine aminotransferase IV; GOT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GOT2. No significant cross-reactivity or interference between human GOT2 and analogues was observed.
Sequence Length	387
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 mU/ml-10 mU/ml.
Sensitivity	The minimum detectable dose of human GOT2 is typically less than 0.039 mU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GOT2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GOT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GOT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GOT2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GOT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	555290167
NCBI GeneID	2806
NCBI Accession #	NP_001273149.1
NCBI GenBank Nucleotide #	NM_001286220.1
UniProt Accession #	P00505; Q53FL3; Q9BWA3; B4DJA6; E7ERW2
Molecular Weight	47,518 Da
NCBI Official Full Name	aspartate aminotransferase, mitochondrial isoform 2
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 2, mitochondrial
NCBI Official Symbol	GOT2
NCBI Official Synonym Symbols	KAT4; KATIV; mitAAT
NCBI Protein Information	aspartate aminotransferase, mitochondrial; FABP-1; FABPpm; mAspAT; transaminase A; aspartate transaminase 2; fatty acid-binding protein; aspartate aminotransferase 2; kynurenine aminotransferase 4; kynurenine aminotransferase IV; glutamate oxaloacetate transaminase 2; kynurenine--oxoglutarate transaminase 4; kynurenine--oxoglutarate transaminase IV; plasma membrane-associated fatty acid-binding protein; glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)
UniProt Protein Name	Aspartate aminotransferase, mitochondrial
UniProt Gene Name	GOT2
UniProt Synonym Gene Names	mAspAT; FABP-1; FABPpm
UniProt Entry Name	AATM_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/got2-human-elisa-kits/glutamic-oxaloacetic-transaminase-2-mitochondrial-aspartate-aminotransferase-2/112962>