

Mouse anti-Human GOT1 Monoclonal Antibody | anti-GOT1 antibody

GOT1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11733	Mouse	Human	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence

PRODUCT SYNONYMS

GOT1; Monoclonal Antibody; GOT1 antibody; Glutamate oxaloacetate transaminase 1 soluble; cAspAT; anti-GOT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	AT3G11
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-GOT1 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Immunogen	Recombinant human GOT1 (1-413aa) purified from E. coli
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



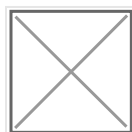
FCM (Flow Cytometry)

Flow cytometry analysis of GOT1 in HeLa cell line, staining at 2-5ug for 1x10⁶cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



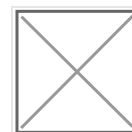
FCM (Flow Cytometry)

Flow cytometry analysis of GOT1 in Hep3B cell line, staining at 2-5ug for 1x10⁶cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



ICC (Immunocytochemistry)

ICC/IF analysis of GOT1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GOT1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC (Immunocytochemistry)

ICC/IF analysis of GOT1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GOT1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

**WB (Western Blot)**

The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GOT1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : 293T cell lysate Lane 2 : GOT1 Transfected 293T cell lysate

**WB (Western Blot)**

The recombinant proteins (100ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GOT1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : Recombinant human GOT1 Lane 2 : Recombinant human GOT2

ADDITIONAL INFORMATION

Related Product Information for anti-GOT1 antibody	Glutamic-oxaloacetic transaminase (GOT) is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and use the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.
Product Categories/Family for anti-GOT1 antibody	Signal Transduction ; Metabolism
References	Bousquet-Lemerrier B., et al. (1990) Biochemistry 29 (22): 5293-9. ; Totan A., et al. (2006) Clin Chem Lab Med. 44 (5): 612-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504067
NCBI GeneID	2805
NCBI Accession #	NP_002070
NCBI GenBank Nucleotide #	NM_002079.2
UniProt Accession #	P17174 ; Q5VW80 ; B2R6R7 ; B7Z7E9
NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	AST1; cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT

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/monoclonal/got1-antibody-clone-at3g11-western-blot-flow-cytometry-immunocytochemistry-immunofluorescence-elisa/11733>