

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

ALDOA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48173	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ALDOA; Monoclonal Antibody; ALDOA antibody; Fructose biphosphate aldolase A; ALDA; GSD12; Fructose biphosphate aldolase A Aldolase A; Aldolase A fructose biphosphatase; Aldolase A fructose biphosphate; Fructose 1 6 biphosphate triosephosphate lyase; Fructose biphosphate aldolase; Lung cancer antigen NY Lu 1; MGC10942; MGC17716; MGC17767; Muscle type aldolase; ; anti-ALDOA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT3F9
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)
Sequence Length	364
Applicable Applications for anti-ALDOA antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ALDOA (1-364aa) purified from E. coli
Clone Note	Anti-human ALDOA (Aldolase A) mAb, clone AT3F9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ALDOA protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ALDOA in A549 cells, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human A549 antibody (1:200) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Recombinant Human ALDOA and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ALDOA 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 ALDOA Lane 2.: HeLa cell lysate Lane 3.: HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ALDOA antibody	Aldolase (fructose bisphosphate aldolase), a glycolytic enzyme, catalyzes the conversion of fructose 1, 6-bisphosphate to 3-phosphoglyceraldehyde. This ubiquitous enzyme is present as three different isozymes: aldolase A, aldolase B, and aldolase C. Research studies suggest that aldolase A expression potentially differentiates between nonneoplastic liver diseases and hepatocarcinoma. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney, and intestine and similar to aldolase C levels in brain and other nervous tissue.
Product Categories/Family for anti-ALDOA antibody	Signal Transduction; Metabolism
References	Castaldo G., et al. (2000) Clin Chem. 46 (7): 901-906; Long F., et al. (2014) Oncol Rep. 32 (5): 2031-2037; Caspi M., et al. (2014) Mol Cancer. 13: 164

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577110
NCBI GeneID	226
NCBI Accession #	NP_908930
NCBI GenBank Nucleotide #	NM_184041.2
UniProt Accession #	P04075; Q6FH76; Q6FI10; Q96B15; Q9BWD9; Q9UCN2; B4DXI7
Molecular Weight	45,261 Da
NCBI Official Full Name	fructose-bisphosphate aldolase A isoform 1
NCBI Official Synonym Full Names	aldolase, fructose-bisphosphate A
NCBI Official Symbol	ALDOA
NCBI Official Synonym Symbols	ALDA; GSD12; HEL-S-87p
NCBI Protein Information	fructose-bisphosphate aldolase A
UniProt Protein Name	Fructose-bisphosphate aldolase A
UniProt Gene Name	ALDOA
UniProt Synonym Gene Names	ALDA

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/monoclonal/aldoa-antibody-clone-at3f9-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48173>