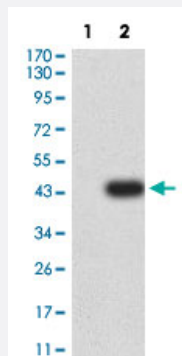


# ALDOA monoclonal antibody, clone 1C5B2

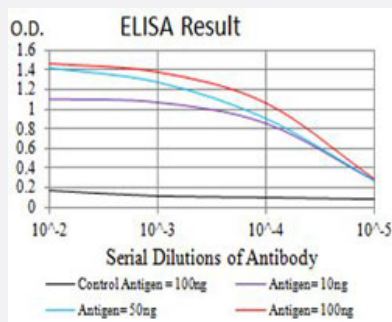
Catalog # MAB17946      Size 100 ug

## Applications



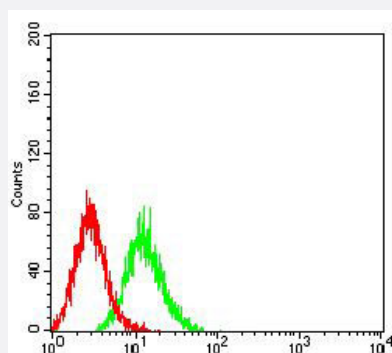
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ALDOA-hlgGFc transfected HEK293 cell lysates with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946).



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946).



### Flow Cytometry

Flow cytometric analysis of K562 cells with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946) (Green). Red: Negative Control.

## Specification

### Product Description

Mouse monoclonal antibody raised against partial recombinant human ALDOA.

Immunogen	Recombinant protein corresponding to amino acids 9-145 of human ALDOA.
Host	Mouse
Theoretical MW (kDa)	39.4
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ALDOA-hlgGfC transfected HEK293 cell lysates with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946).

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Flow cytometric analysis of K562 cells with ALDOA monoclonal antibody, clone 1C5B2 (Cat # MAB17946) (Green). Red: Negative Control.

## Gene Info — ALDOA

Entrez GeneID	<a href="#">226</a>
Protein Accession#	<a href="#">P04075</a>
Gene Name	ALDOA

Gene Alias	ALDA, MGC10942, MGC17716, MGC17767
Gene Description	aldolase A, fructose-bisphosphate
Omim ID	<a href="#">103850</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene product, Aldolase A (fructose-bisphosphate aldolase) is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. 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. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants which encode the same protein. [provided by RefSeq]</p>
Other Designations	aldolase A fructose-1,6-bisphosphate triosephosphate-lyase fructose-bisphosphate aldolase A

## Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Fructose and mannose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

## Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)