9051 Mira Mesa Blvd, #910094
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ALDOA Antibody

Aldolase-A, Mouse Anti Human
ABM0032

Product Overview

Name	ALDOA Antibody

Description

Aldolase-A, Mouse Anti Human

Synonyms

Fructose-bisphosphate aldolase A, Muscle-type aldolase, Lung cancer antigen NY-LU-1, ALDOA, ALDA, EC 4.1.2.13, GSD12, MGC10942, MGC17716, MGC17767, Aldolase-A.

Introduction

Aldolase A (ALDOA) is a glycolytic enzyme, which catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. ALDOA is found in the developing embryo and is produced in even greater amounts in adult muscle. ALDOA expression is repressed in the adult liver, kidney and intestine and similar to ALDOC levels in the brain and other nervous tissue. ALDOA deficiency has been linked with myopathy and hemolytic anemia.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear colorless solution.

Formulation

The ALDOA solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MPYQYPALTP EQKKELSDIA HRIVAPGKGI LAADESTGSI AKRLQSIGTE NTEENRRFYR QLLLTADDRV NPCIGGVILF HETLYQKADD GRPFPQVIKS KGGVVGIKVD KGVVPLAGTN GETTTQGLDG LSERCAQYKK DGADFAKWRC VLKIGEHTPS ALAIMENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL AAVYKALSDH HIYLEGTLLK PNMVTPGHAC TQKFSHEEIA MATVTALRRT

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VPPAVTGITF LSGGQSEEEA SINLNAINKC PLLKPWALTF SYGRALQASA LKAWGGKKEN LKAAQEEYVK RALANSLACQ GKYTPSGQAG AAASESLFVS NHAY.

Precautions

ALDOA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.