

# ALDOC Antibody

*Aldolase C Fructose-Bisphosphate, Mouse Anti Human  
ABM0033*

## Product Overview

Name ALDOC Antibody

### Description

Aldolase C Fructose-Bisphosphate, Mouse Anti Human

### Synonyms

Aldolase, Fructose-Bisphosphate C, Aldolase C, Fructose-Bisphosphate, Brain-Type Aldolase, EC 4.1.2.13, ALDC, Fructose-1,6-Bisphosphate Triosephosphate Lyase, Fructose-Bisphosphate Aldolase C, Fructoaldolase C, Aldolase 3.

### Introduction

Aldolase C Fructose-Bisphosphate (ALDOC) belongs to the class I fructose-bisphosphate aldolase family. ALDOC is a glycolytic enzyme which catalyzes the reversible aldol cleavage of fructose-1,6-bisphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehydes respectively. ALDOC is expressed exclusively in the hippocampus and Purkinje cells of the brain.

### Source

Escherichia Coli.

### Physical Appearance

Sterile Filtered colorless solution.

### Formulation

ALDOC protein solution (1mg/ml) containing 20mM Tris-HCl Buffer (pH 8.0), 20% glycerol, 2mM DTT and 0.1M NaCl.

### 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 90.0% as determined by SDS-PAGE.

### Amino acid sequence

MPHSYPALSA EQKKELSDIA LRIVAPGKGI LADESVMGSM AKRLSQIGVE NTEENRRLYR QVLFSAADDRV  
KKCIGGVIFF HETLYQKDDN GVPFVRTIQD KGIVVGKVD KGVVPLAGTD GETTTQGLDG LSERCAQYKK  
DGADFAKWRC VLKISERTPS ALAILENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL  
AAVYKALSDH HVYLEGTLK PNMVTPGHAC PIKYTPPEEIA MATVTALRRT VPPAVPGVTF LSGGQSEEEA  
SFNLNAINRC PLPRPWALTF SYGRALQASA LNAWRGQRDN AGAATEEFIK RAEVNGLAAQ GKYEGSGEDG

GAAAQSLYIA NHAY.

### **Precautions**

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