

ALCAM (CD166) Mouse

Activated Leukocyte Cell Adhesion Molecule (CD166) Mouse Recombinant
CDA0002

Product Overview

Name ALCAM (CD166) Mouse

Description

Activated Leukocyte Cell Adhesion Molecule (CD166) Mouse Recombinant

Accession (Primary) [Q61490](#)

Synonyms

ALDC, Aldehyde dehydrogenase cytosolic, Aldehyde dehydrogenase family 1 member A1, ALDH1, ALDH11, ALDH-E1, ALHDI, MGC2318, PUMB1, RalDH1, RALDH1, RALDH 1, Retinal dehydrogenase 1, ALDH1A1.

Introduction

ALDH1A1 is part of the aldehyde dehydrogenases family. Aldehyde dehydrogenase is the 2nd protein of the main oxidative pathway of alcohol metabolism. Cytosolic and mitochondrial are 2 main liver isoforms of ALDH that are differentiated by their electrophoretic mobility, kinetic property, & subcellular localization. The majority of Caucasians have two main isozymes, whereas just about 50% of Orientals have only the cytosolic form, excluding the mitochondrial form. ALDH1A1 is also a member of the group of corneal crystallins that assist the transparency of the cornea. (Retinal + NAD+ + H₂O = retinoate + NADH).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The ALDH1A1 protein solution is formulated in 50mM Tris-HCl pH-7.5 and 10% 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. Please avoid freeze thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MSSSGTPDLP VLLTDLKIQY TKIFINNEWH DSVGKKFPV FNPAPEEEELC QVEEGDKEDV DKAVKAARQA
FQIGSPWRTM DASERGRLLYKLADLIERDR LLLATMESMN GGKLYSNAYL NDLAGCIKTL RYCAGWADKI

QGRTIPIDGN FFTYTRHEPI GVCQQIIPWN FPLVMLIWKIGPALSCGNTV VVKPAEQTPL TALHVASLIK
EAGFPPGVVN IVPGYGPTAG AAISSHMDID KVAFTGSTEV GKLIKEAAGK SNLKRVTLEL GGKSPCIVLA
DADLDNAVEF AHHGVFYHQG QCCIAASRIF VEESIYDEFV RRSVERAKKY ILGNPLTPGV TQGPQIDKEQ
YDKILDLIES GKKEGAKLEC GGGPWGNKGY FVQPTVFSNV TDEMRIAKEY IFGPVQQIMK FKSLDDVIKR
ANNTFYGLSA GVFTKDIDKA ITISSALQAG TVWWNCYGVV SAQCPFGGFK MSGNGRELGE YGFHEYTEVK
TVTVKISQKN S.

Precautions

ALCAM (CD166) Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([Q61490](#))