

ADK Antibody

Adenosine Kinase, Mouse Anti Human
ABM0015

Product Overview

Name ADK Antibody

Description

Adenosine Kinase, Mouse Anti Human

Synonyms

Adenosine 5'-phosphotransferase, EC 2.7.1.20, AK, ADK.

Introduction

Adenosine Kinase is an abundant enzyme in mammalian tissues which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thus is as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has extensive effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme take a crucial pharmacological part in growing intravascular adenosine concentrations and acting as anti-inflammatory agents.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

ADK protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 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% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M RENILFGMG NPLLDISAVV DKDFLDKYSL KPNDQILAED KHKELFDELV
KKFKVEYHAG GSTQNSIKVA QWMIQQPHKA ATFFGCIGID KFGEILKRKA AEAHVDAHYY EQNEQPTGTC
AACITGDNRS LIANLAAANC YKKEKHLDE KNWMLVEKAR VCYIAGFFLT VSPESVLKVA HHA SENNRIF
TLNLSAPFIS QFYKESLMKV MPYVDILFGN ETEAATFARE QGFETKDIKE IAKKTQALPK MNSKRQRIVI
FTQGRDDTIM ATESEVTAFV VLDQDQKEII DTNGAGDAFV GGFLSQLVSD KPLTECIRAG HYAASIIRR

TGCTFPEKPD FH.

Precautions

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