

CD5 Antibody

CD5, Mouse Anti-Human
ABM0129

Product Overview

Name CD5 Antibody

Description

CD5, Mouse Anti-Human

Synonyms

CD5 Molecule, CD5, LEU1, CD5 Antigen (P56-62), Lymphocyte Antigen T1/Leu-1, T1, T-Cell Surface Glycoprotein
CD5, CD5 Antigen.

Introduction

CD5 is a suitable immunohistochemical marker for T-cells, though not as sensitive as CD3. Approximately 76% of T-cell neoplasms are reported to express CD5, and it is also observed in chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. CD5 is commonly lost in cutaneous T-cell lymphoma, and its deficiency can be used as an indicator of malignancy in this condition. CD5's absence in T cell acute lymphoblastic leukemia, though relatively rare, is linked with a poor prognosis. CD5 serves as a receptor in regulating T-cell proliferation.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The CD5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

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 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MGS RLSWYDP DFQARLTRSN SKCQGQLEVY LKDGWHMVCS QSWGRSSKQW
EDPSQASKVC QRLNCGVPLS LGPFLVITYTP QSSIICYGQL GSFSNCSHSR NDMCHSLGLT CLEPQKTTTP
TTRPPPTTTP EPTAPPRLQL VAQSGGQHCA GVVEFYSGSL GGTISYEAQD KTQDLENFLC NNLQCGSFLK
HLPETEAGRA QDPGEPREHQ PLPIQWKIQN SSCTSLEHCF RKIKPQKSGR VLALLCSGFQ PKVQSRLVGG

SSICEGTVEV RQGAQWAALC DSSSARSSLR WEEVCREQQC GSVNSYRVLD AGDPTSRGLF CPHQKLSQCH
ELWERNSYCK KVFVTCQDPN P.

Precautions

CD5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.