

32-3449: CD5 Recombinant Protein

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

Description

Source : E.coli. CD5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 371 amino acids (25-372) and having a molecular mass of 41.0 kDa. CD5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 20 µg
Purification : Greater than 80% as determined by SDS-PAGE.
Content : The CD5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSRLSWYDP DFQARLTRSN SKCQGQLEVY LKDGWHMVCS QSWGRSSKQW EDPSQASKVC QRLNCGVPLS LGPFLVTYTP QSSIICYGQL GSFSNCSHSR NDMCHSLGLT CLEPQKTTTP TTRPPPTTTP EPTAPPRLQL VAQSGGQHCA GVVEFYSGSL GGTISYEAQD KTQDLENFLC NNLCQGSFLK HLPETEAGRA QDPGEPREHQ PLPIQWKIQN SSCTSLEHCF RKIKPQKSGR VLALLCSGFQ PKVQSRLVGG SSICEGTVEV RQGAQWAALC DSSSARSSLR WEEVCREQQC GSVNSYRVLD AGDPTSRGLF CPHQKLSQCH ELWERNSYCK KVFVTCQDPN P.

