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32-13077: CD5 Human, Sf9

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

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
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. CD5Â'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.
CD5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 359 amino acids (25-372a.a.) and having a molecular mass of 40kDa (Molecular size on SDS-PAGE will appear at approximately 40-57 kDa). CD5 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD5 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.
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 :	ADPEFRLSWY DPDFQARLTR SNSKCQGQLE VYLKDGWHMV CSQSWGRSSK QWEDPSQASK VCQRLNCGVP LSLGPFLVTY TPQSSIICYG QLGSFSNCSH SRNDMCHSLG LTCLEPQKTT PPTTRPPPTT TPEPTAPPRL QLVAQSGGQH CAGVVEFYSG SLGGTISYEA QDKTQDLENFÂ LCNNLQCGSF LKHLPETEAG RAQDPGEPRE HQPLPIQWKI QNSSCTSLEH CFRKIKPQKS GRVLALLCSG FQPKVQSRLV GGSSICEGTV EVRQGAQWAA LCDSSSARSS LRWEEVCREQ QCGSVNSYRV LDAGDPTSRG LFCPHQKLSQ CHELWERNSY CKKVFVTCQD PNPHHHHHH.