

**CD5, 25-372aa, Human, His tag, E.coli**

**Cat.NO.: TP01521**

3th Edition

**Synonyms:**T-cell surface glycoprotein CD5, LEU1, T1

**Description:**CD5 is a good immunohistochemical marker for T-cells, although not as sensitive as CD3. About 76% of T-cell neoplasms are reported to express CD5, and it is also found in chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. It is commonly lost in cutaneous T-cell lymphoma, and its absence can be used as an indicator of malignancy in this condition. The absence of CD5 in T cell acute lymphoblastic leukemia, while relatively rare, is associated with a poor prognosis. Recombinant human CD5 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**Molecular Weight:**41.0 kDa(371aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSRLSWYDPDFQARLTRSNSKCQGQLEVYLKDGWHMVCSQSWGRSSKQWE  
DPSQASKVCQRLNCGVPLSLGPFLVITYTPQSSIICYGQLGSFSNCSHSRNDMCHSLGLTCLEPQKTTPTTRPPPT  
TTPEPTAPPRLQLVAQSGGQHCAGVVEFYSGSLGGTISYEAQDKTQDLENFLCNNLQCGSFLKHLPETEAGRAQD  
PGEPREHQPLPIQWKIQNSSCTSLHCFRQKIPQKSGRVLALLCSGFQPKVQSRLVGGSSICEGTVEVRQGAQWA  
ALCDSSSARSSLRWEEVCREQQCGSVNSYRVLDAGDPTSRGLFCPHQKLSQCHELWERNYSYCKKVFTCQDPN  
P

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.