

AR51459PU-N

Human CD5 (25-372, His-tag) - Purified

Alternate names:

CD5, LEU1, Lymphocyte antigen T1/Leu-1, T-cell surface glycoprotein CD5

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P06127](#)

NCBI:

[NP_055022](#)

GeneID:

[921](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Description:

Recombinant human CD5 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSRLSWYDP DFQARLTRSN SKCQGQLEVY LKDGWHMVCS
QSWGRSSKQW EDPSQASKVC QRLNCGVPLS LGPFLVTYTP 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 ELWERNYSYCK
KVFVTCQDPN P

Molecular weight: 41.0 kDa (371aa)

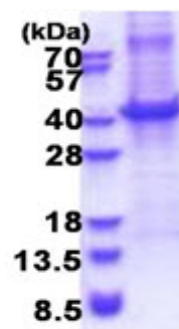
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Berland R. et al. (2002) Annu. Rev. Immunol. 20:253–300. Osman N. et al. (1992) Eur. J. Immunol. 22:2995–3000.

Pictures:



15% SDS-PAGE (3ug)