

**CD33,18-259aa Human, His tag, E.coli**

**Cat.NO.: TP01504**

3th Edition

**Synonyms:**CD33 molecule, FLJ00391, p67, SIGLEC-3, SIGLEC3

**Description:**CD33 is putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. It preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, CD33 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. This protein induces apoptosis in acute myeloid leukemia (in vitro). Recombinant human CD33 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**29.1 kDa (265aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSDPNFWLQVQESVTVQEGLCVLPCTFFHPIPIYYDKNSPVHGYWVFREGAIIS  
GDSPVATNKLDQEVQEETQGRFRLLGDPSRNNCSLSIVDARRRDNGSYFFRMERGSTKYSYKSPQLSVHVTDLTH  
RPKILIPGTLEPGHSKNLTCVSWACEQGTPPIFSWLSAAPTSLGPRTHSSVLIITPRPQDHGTNLTCQVKFAGAGV  
TTERTIQLNVTYVPQNPTTGIFPGDGSQKQETRAGVVH

**Purity:**> 95% by HPLC

**Concentration:**1 mg/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.