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32-3467: CD33 Recombinant Protein

Alternative Name : CD33Molecule,CD33Antigen (Gp67),Sialic Acid Binding Ig-Like Lectin 3,Sialic Acid-Binding Ig-Like Lectin 3,SIGLEC3,gp67,SIGLEC-3, Myeloid Cell Surface AntigenCD33,p67,Siglec-3,CD33Antigen.

Description

Source : Escherichia Coli. CD33 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (18-259 a.a) and having a molecular mass of 29.1kDa.CD33 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CD33 is putative adhesion molecule of myelomonocytic-derived cells which mediates sialic-acid dependent binding to cells. CD33 prefers to bind to alpha-2,6-linked sialic acid. The sialic acid recognition site is masked by cis interactions with sialic acids on the same cell surface. In the immune response, CD33 perform as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatases through their SH2 domains which block signal transduction through dephosphorylation of signaling molecules. In addition, CD33 induces apoptosis in acute myeloid leukemia.

Product Info

Amount :	20 µg
Purification :	"Greater than 90% as determined by SDS-PAGE."
Content :	CD33 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea, 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).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSDPNFWLQ VQESVTVQEG LCVLVPCTFF HPIPYYDKNS PVHGYWFREG AIISGDSPVA TNKLDQEVQE ETQGRFRLLG DPSRNNCSLS IVDARRRDNG SYFFRMERGS TKYSYKSPQL SVHVTDLTHR PKILIPGTLE PGHSKNLTCS VSWACEQGTP PIFSWLSAAP TSLGPRTTHS SVLIITPRPQ DHGTNLTCQV KFAGAGVTTE RTIQLNVTYV PQNPTTGIFP GDGSGKQETR AGVVH.

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