9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CD33 Human

CD33 Human Recombinant
CDA0057

Product Overview

Name	CD33 Human
Description	
CD33 Human Recombinant	
Accession (Primary)	P20138
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
CD33 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea, and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS DPNFWLQ VQESVTVQEG LCVLVPCTFF HPIPYYDKNS PVHGYWFREG AIISGDSPVA TNKLDQEVQE ETQGRFRLLG DPSRNNCSLS IVDARRRDNG SYFFRMERGS TKYSYKSPQL	

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SVHVTDLTHR PKILIPGTLE PGHSKNLTCS VSWACEQGTP PIFSWLSAAP TSLGPRTTHS SVLIITPRPQ DHGTNLTCQV KFAGAGVTTE RTIQLNVTYV PQNPTTGIFP GDGSGKQETR AGVVH.

Precautions

CD33 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P20138)