Datasheet for ABIN5853577

CD33 Protein (CD33) (AA 18-259) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	CD33
Protein Characteristics:	AA 18-259
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD33 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	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
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)
Background:	CD33 is putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid

Target Details

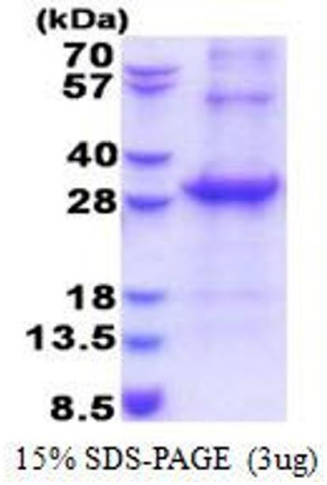
	dependent binding to cells. It preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, CD33 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation 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.
Molecular Weight:	29.1 kDa (265aa)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.