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Product Information

Magic™ Membrane Protein Human CD33 (CD33 molecule) for Antibody Discovery

{AlternativeNames}

Cat. No.: **MP0638J**
This product is for research use only and is not intended for diagnostic use.

This product is a 23.9 kDa Human CD33 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CD33

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
23.9 kDa

TMD
1

Sequence
MPLLLLLPLLWADLTHRPKILIPGTLEPGHSKNLTCSVSWACEQGTPPIFSWLSAAPTSLGPRTTHSSVL
IITPRPQDHGTNLTCQVKFAGAGVTTERTIQLNVTYVPQNPTTGIFPGDGSGKQETRAGVVHGAIGGAGV
TALLALCLCLIFFIVKTHRRKAARTAVGRNDTHPTTGSASPKHQKKSKLHGPTETSSCSGAAPTVEMDEE
LHYASLNFHGMNPSKDTSTEYSEVRTQ

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Powder

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CD33

Full Name

CD33 molecule

Introduction

Putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. 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, 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. Induces apoptosis in acute myeloid leukemia (in vitro).

Alternative Names

p67; SIGLEC3; SIGLEC-3; CD33 antigen (gp67); CD33 molecule transcript; gp67; sialic acid-binding Ig-like lectin 3

Gene ID

945

UniProt ID

P20138

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