

Sialic Acid Binding Ig Like Lectin 12 (SIGLEC12) Recombinant Protein | SIGLEC12 recombinant protein

Recombinant Sialic Acid Binding Ig Like Lectin 12 (SIGLEC12)

CATALOG # AAA134699	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Sialic Acid Binding Ig Like Lectin 12 (SIGLEC12); Recombinant Sialic Acid Binding Ig Like Lectin 12 (SIGLEC12); SIGLEC12 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	LNVERKVVVQ EGLCVLVPCN FSYLKKRLTD WTSDPVGHF WYREGTDRRK DSIVATNNPI RKAVKETRNR FLLGDPWRN DCSLNIREIR KKDAGLYFFR LERGKTKYNY MWDKM
Applicable Applications for SIGLEC12 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Leu27~Met141
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	134032002
NCBI GeneID	83382
NCBI Accession #	NP_112458.2
NCBI GenBank Nucleotide #	NM_031181.2
UniProt Accession #	Q91Y57; E9QMD1
Molecular Weight	Predicted Molecular Mass: 20.4kDa Accurate Molecular Mass: 25kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	sialic acid-binding Ig-like lectin 12
NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin E
NCBI Official Symbol	Siglece
NCBI Official Synonym Symbols	Cd170; Siglec5; Siglec9; Siglec12; Siglec1; mSiglec-E
NCBI Protein Information	sialic acid-binding Ig-like lectin 12; MIS; siglec-5; siglec-E; siglec-12; siglec-L1; SIGLEC-like 1; myeloid inhibitory siglec; sialic acid binding Ig-like lectin 5; sialic acid-binding Ig-like lectin 5; sialic acid-binding Ig-like lectin E; sialic acid-binding Ig-like lectin-like 1; sialic acid-binding immunoglobulin-like lectin E
UniProt Protein Name	Sialic acid-binding Ig-like lectin 12
UniProt Gene Name	Siglec12
UniProt Synonym Gene Names	Siglec5; Siglece; Siglec1; Siglec-12; MIS; Siglec-5; Siglec-E; mSiglec-E; Siglec-L1
UniProt Entry Name	SIG12_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/siglec12-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134699>