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Recombinant human Siglec-9 protein

Catalog Number: ATGP3622

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-348aa

UniProt No.

09Y336

NCBI Accession No.

NP 001185487

Alternative Names

Sialic acid-binding Ig-like lectin 9 isoform 1, SIGLEC9, CD329, CDw329, FOAP-9, OBBP-LIKE

PRODUCT SPECIFICATION

Molecular Weight

63.3 kDa (573aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hlgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SIGLEC9, also known as sialic acid-binding Ig-like lectin 9 isoform 1, is a novel member of the sialic acid-binding Ig-like lectin (Siglec) family, which belongs to the immunoglobulin superfamily (IgSF) expressed broadly on human blood leukocytes. It has a high-level expression in bone marrow, placenta, spleen, and fetal liver. It is a member of the recently characterized CD33-related Siglec family of sialic acid binding protein and is expressed



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on human monocytes and NK cells. Recombinant human SIGLEC9, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

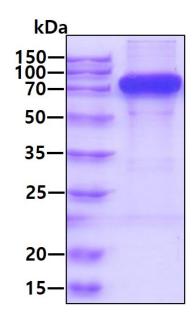
<ADP>QTSKLLT MQSSVTVQEG LCVHVPCSFS YPSHGWIYPG PVVHGYWFRE GANTDQDAPV ATNNPARAVW EETRDRFHLL GDPHTKNCTL SIRDARRSDA GRYFFRMEKG SIKWNYKHHR LSVNVTALTH RPNILIPGTL ESGCPQNLTC SVPWACEQGT PPMISWIGTS VSPLDPSTTR SSVLTLIPQP QDHGTSLTCQ VTFPGASVTT NKTVHLNVSY PPQNLTMTVF QGDGTVSTVL GNGSSLSLPE GQSLRLVCAV DAVDSNPPAR LSLSWRGLTL CPSQPSNPGV LELPWVHLRD AAEFTCRAQN PLGSQQVYLN VSLQSKATSG VTQG<LEPKSC DKTHTCPPCP APELLGGPSV> <FLFPPKPKDT> <LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY> <RVVSVLTVLH> <QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK> <NQVSLTCLVK> <GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG> <NVFSCSVMHE> <ALHNHYTQKS LSLSPGKHHH HHH>

General References

Avril T., et al. (2004) J Immunol. 173:6841-6849. Zhang JQ., et al. (2000) J Biol Chem. 275:22121-22126.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

