

Human SIGLEC6 / CD327 Protein (Fc Tag)

Catalog Number: 12241-H02H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

CD327; CD33L; CD33L1; CD33L2; CDW327; OBBP1; SIGLEC6

Protein Construction:

A DNA sequence encoding the human SIGLEC6 (O43699-3) (Gln27-Val331) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Gln 27

Molecular Mass:

The recombinant human SIGLEC6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 546 amino acids and has a predicted molecular mass of 60.7 kDa. The apparent molecular mass of the protein is approximately 66-73 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

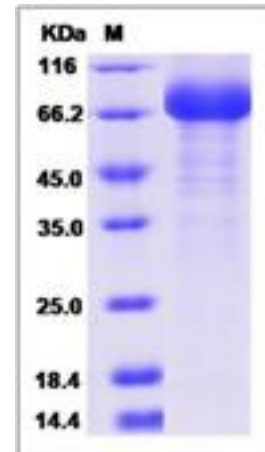
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

SIGLEC6, also known as CD327, belongs to the immunoglobulin superfamily, SIGLEC (sialic acid binding Ig-like lectin) family. SIGLEC6 is a sialic acid recognizing protein expressed at high levels in placenta (cyto- and syncytiotrophoblastic cells) and at lower levels in spleen, peripheral blood leukocytes (predominantly B-cells) and small intestine. SIGLEC6 localizes in various compartments such as membrane fraction, extracellular region and so on. SIGLEC6 may show increasing expression human labor and following childbirth, it has been speculated that this expression helps to slow the tempo of human labor. Interestingly, expression of SIGLEC6 is further upregulated in pre-eclampsia, which appears to be a uniquely human disease.

References

1. Winn VD. et al., 2009, Endocrinology. 150 (1): 452-62.
2. Davila S. et al., 2010, Genes Immun. 11 (3): 232-8.
3. Lam KK. et al., 2011, J Biol Chem. 286 (43): 37118-27.

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