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Recombinant Human Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (C-Fc)

Catalog No. PKSH033851

Description

Synonyms	Angiopoietin-related protein 4; 425O18-1; Angiopoietin-like protein 4; Fasting-induced adipose factor; Hepatic fibrinogen/angiopoietin-related protein; HFARP; Secreted protein Bk89; Angptl4; Farp; Fiaf; Ng27
Species	Human
Expression_host	Human Cells
Sequence	Phe20-Thr263
Accession	Q6ZMC9
Mol_Mass	53.5 kDa
AP_Mol_Mass	50-80 kDa
Tag	C-Fc
Bio_activity	Immobilized Human Siglec-15-Fc (Cat#PKSH033851) at 2µg/ml (100 µl/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 16.8 ng/ml.

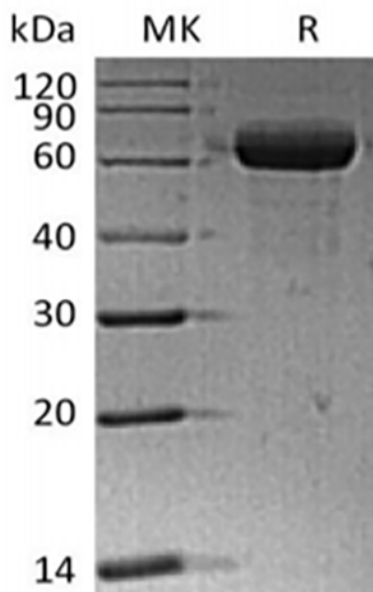
Properties

Purity	>95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 150mM NaCl, 0.3% Chaps, 5% Trehalose, pH 7.4.
Reconstitution	Please refer to the printed manual for detailed information.

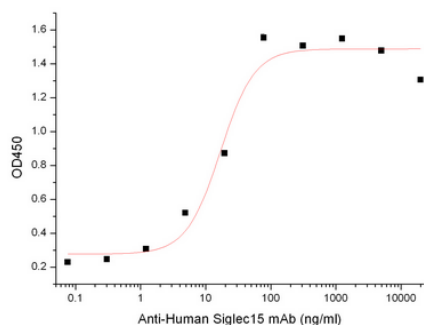
Background

Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH₃⁺-terminus is in the extracellular space and the COO⁻-terminus is cytosolic. Each Siglec contains an N-terminal V-type immunoglobulin domain (Ig domain) which acts as the binding receptor for sialic acid. These lectins are placed into the group of I-type lectins because the lectin domain is an immunoglobulin fold. All Siglecs are extended from the cell surface by C2-type Ig domains which have no binding activity. Siglecs differ in the number of these C2-type domains. Human Siglec-15 consists of a 244 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 function is important for osteoclast formation and TRANCE/RANK Ligand signaling in osteoclasts.

SDS-PAGE



Bioactivity



Immobilized Human Siglec-15-Fc (Cat#PKSH033851) at 2 μ g/ml (100 μ l/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 16.8 ng/ml.