



Recombinant Protein Technical Manual
Recombinant Cynomolgus SIGLEC5/CD170 Protein
(His Tag)
RPES2492

Product Data:

Product SKU: RPES2492

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: A0A0B4J1D1

Protein Information:

Molecular Mass: 46.8 kDa

AP Molecular Mass: 90 kDa

Tag: C-His

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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, pH8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Sialic acid-binding Ig-like lectin 5; Siglec-5; CD170;CD33L2;OB-BP2;OBBP;OBBP2;SIGLEC-5;SIGLEC5

Immunogen Information:

Sequence: Glu17-Gly435

Background:

Sialic acid-binding Ig-like lectin 5 is a protein that in Cynomolgus is encoded by the SIGLEC5 gene, Cynomolgus SIGLEC5 cDNA encodes 551 amino acids (aa) that include a 16 aa signal sequence, a 439aa extracellular domain (ECD) with three Ig-like domains, a transmembrane region and a cytoplasmic tail. No Siglec has been shown to recognize any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs. Siglec5 to 11 share a high degree of sequence similarity with CD33/Siglec3 both in their extracellular and intracellular regions. Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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.