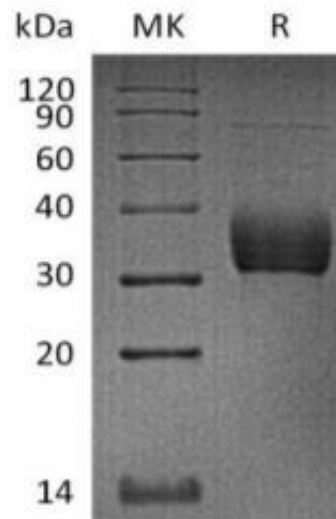


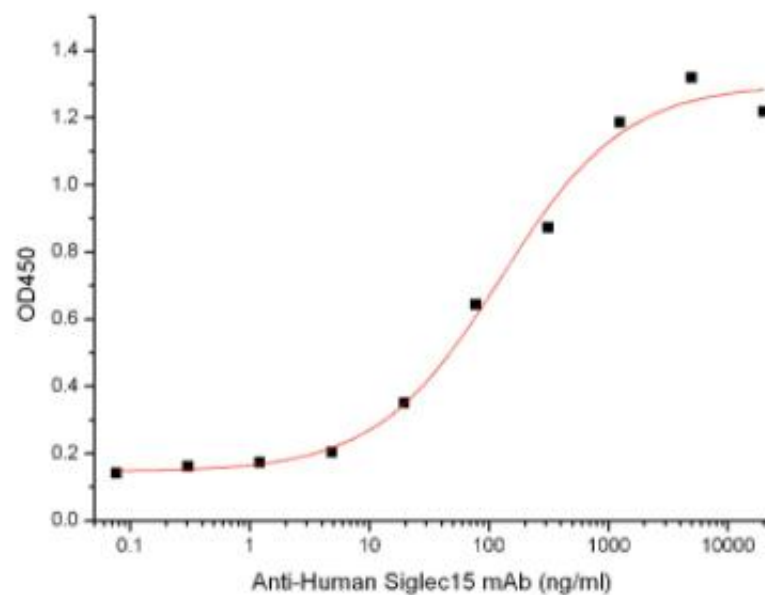
Recombinant Cynomolgus SIGLEC15 protein, C-His Tag

Product Information

Cat	IMP-587
Official Symbol	SIGLEC15
Product Overview	Recombinant Cynomolgus SIGLEC15(XP_005586866.1)(Phe20-Thr263) is expressed in HEK293, fused with a 6His tag at the C-terminus.
Description	Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH ₃ ⁺ -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
Expression System	HEK293
Species	Cynomolgus
Tag	C-His Tag
Form	Lyophilized from a 0.2 µm filtered solution of PBS, 150mMNaCl, 0.3%chaps, 5%Trehalose, pH7.4
Molecular Mass	30-40kDa, reducing conditions.
Protein length	Phe20-Thr263
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
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.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
SDS-PAGE	

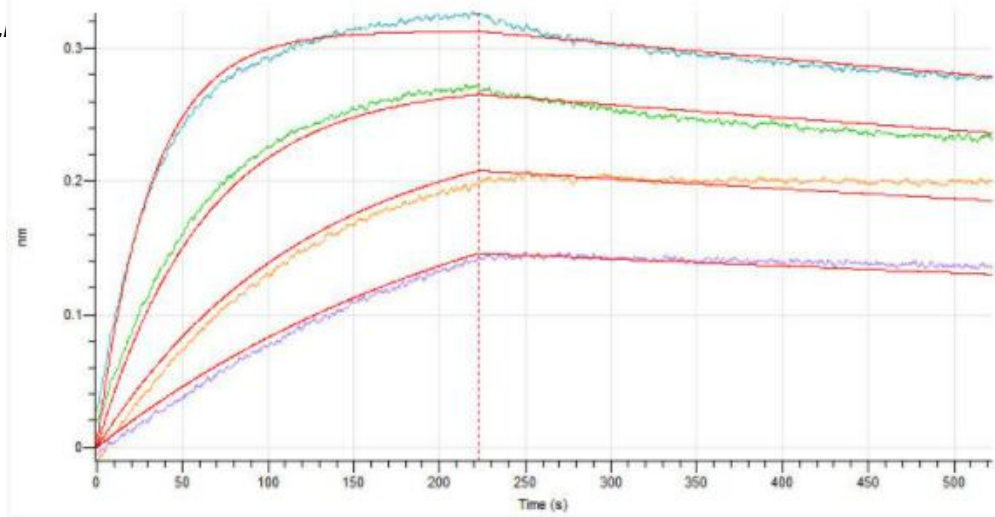


Bioactivity-ELISA



Immobilized Cynomolgus Siglec-15-His at 2µg/ml (100 µl/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 125 ng/ml.

Bioactivity-BL



Loaded Anti-Human Siglec15 mAb-mFc on AMQ Biosensor, can bind Cynomolgus Siglec-15-His with an affinity constant of 0.30 nM as determined in BLI assay.