

Active Recombinant Human SIGLEC15 protein, mFc-tagged

Cat. No. SIGLEC15-0674H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC15 protein(Phe20-Thr263), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-263 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Siglec-15, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) on Diamond Protein A Protein, His Tag precoated (0.5 µg/well) plate can bind Neu5Ac(a2-6)GalNAc-PAA-biotin with a linear range of 0.02-0.313 µg/mL. Immobilized Human Siglec-15, Mouse IgG2a Fc Tag at 1 µg/mL (100 µL/well) can bind Mouse Human chimeric mAb (5G12, Human IgG1) with a linear range of 0.1-2 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 53.4 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe20-Thr263

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Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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