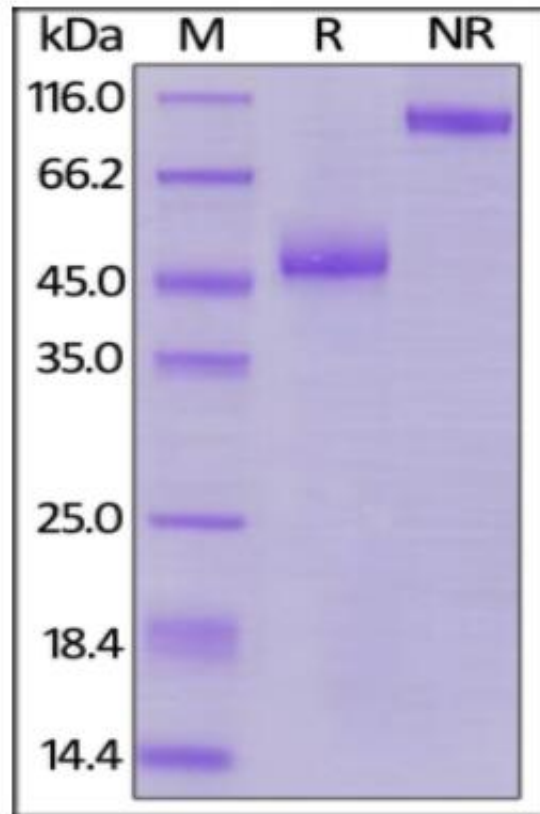


Recombinant Human TIGIT protein, C-hFc-Avi Tag, Biotinylated

Product Information

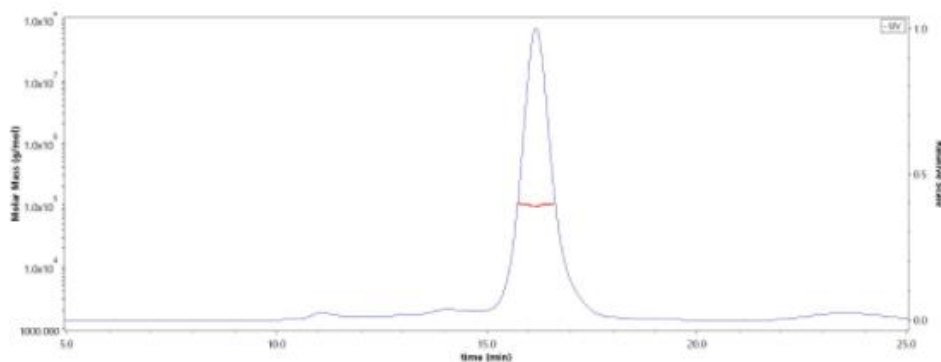
Cat	IMP-038
Official Symbol	TIGIT
Product Overview	<i>Biotinylated Recombinant Human TIGIT protein(AA Met 22-Pro 141)(Accession # Q495A1-1) is expressed from human 293 cells (HEK293). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.</i>
Expression System	HEK293
Species	Human
Tag	C-hFc-Avi Tag
Form	<i>Lyophilized from sterile Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.</i>
Conjugate	<i>Biotinylated</i>
Molecular Mass	<i>The protein has a calculated MW of 41.3 kDa. As a result of glycosylation, the protein migrates as 45-55 kDa under reducing (R) condition, and 85-115 kDa under non-reducing (NR) condition (SDS-PAGE).</i>
Protein length	Met 22-Pro 141
Endotoxin	<i>Less than 0.1 EU per ug by the LAL method.</i>
Purity	<i>>95% as determined by SDS-PAGE.</i>
Storage	<i>For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.</i>
Reconstitution	<i>It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.</i>

SDS-PAGE



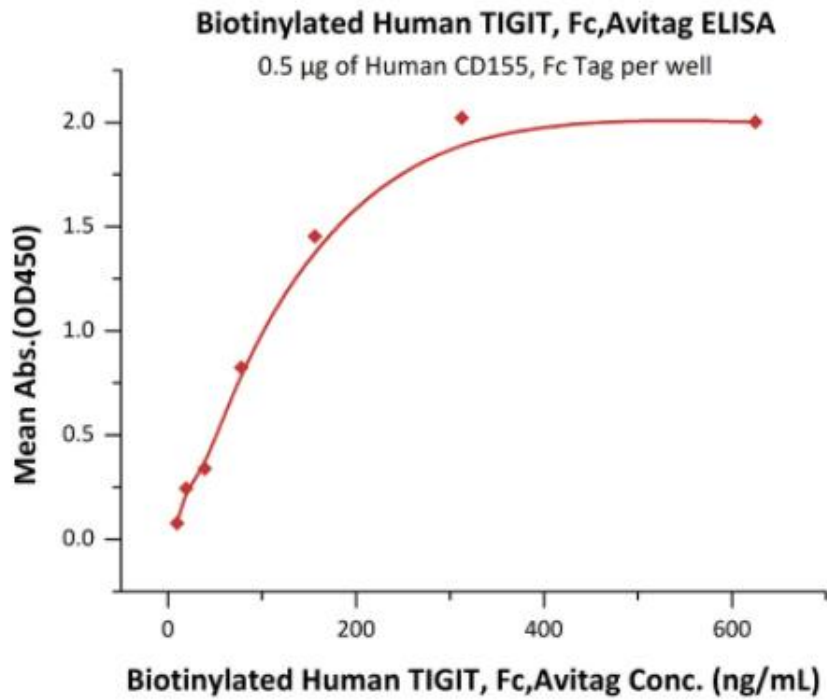
Biotinylated Human TIGIT, Fc,Avitag (MALS verified) on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS 1



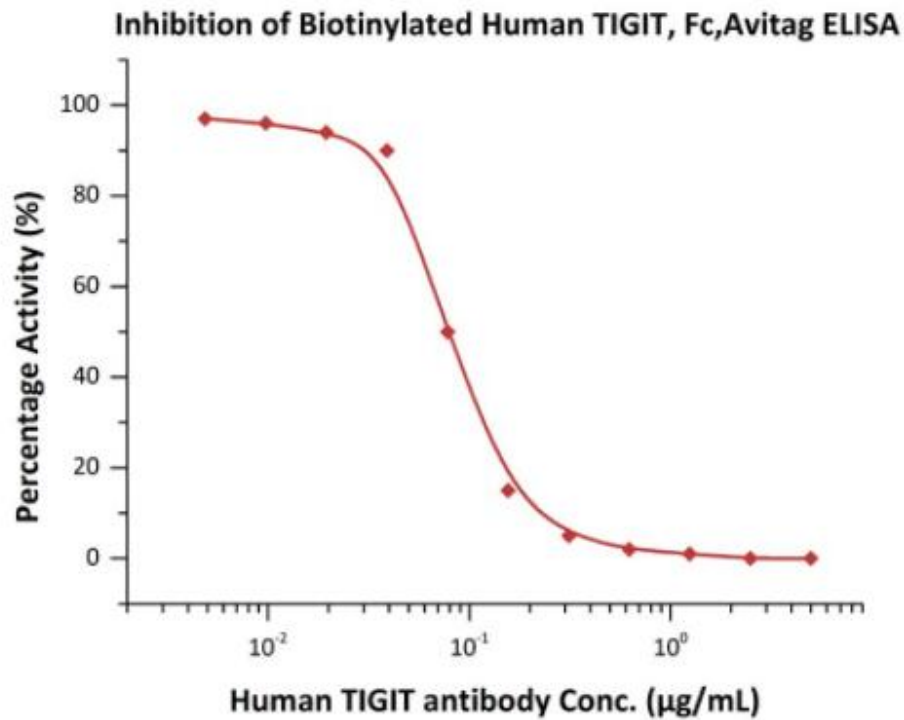
The purity of Biotinylated Human TIGIT, Fc,Avitag (MALS verified) was more than 85% and around 95-115 kDa verified by SEC-MALS.

Bioactivity-ELI



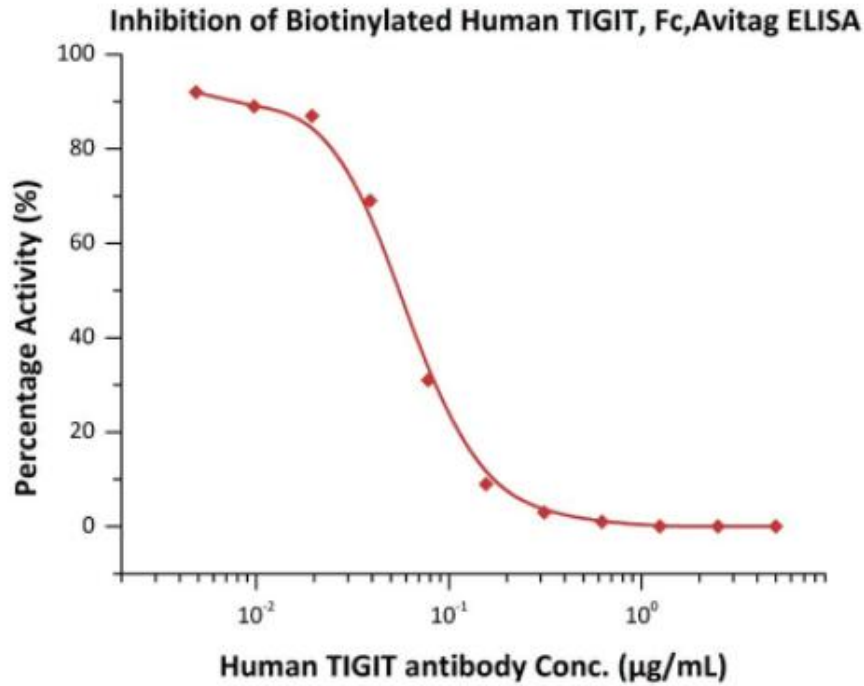
Immobilized Human CD155, Fc Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human TIGIT, Fc,Avitag with a linear range of 10-156 ng/mL.

Bioactivity-ELISA 2



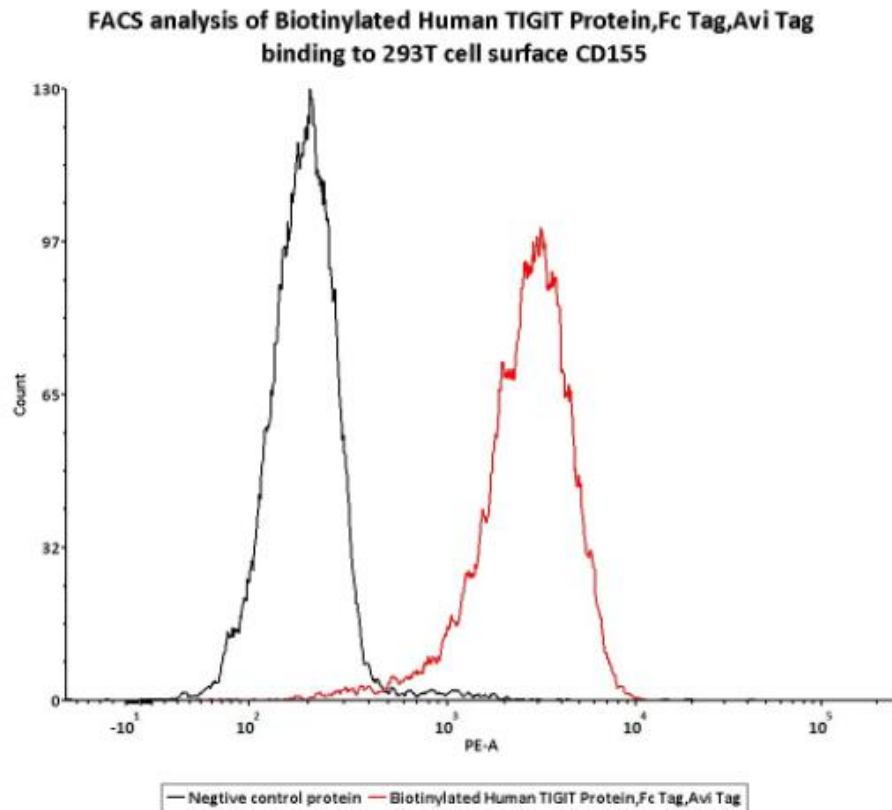
Serial dilutions of Human TIGIT Neutralizing antibody were added into Human CD155, Mouse IgG2a Fc Tag, low endotoxin: Biotinylated Human TIGIT, Fc,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.08116 ug/mL.

Bioactivity-ELISA 3



Serial dilutions of Human TIGIT Neutralizing antibody were added into Human CD155, Fc Tag: Biotinylated Human TIGIT, Fc,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.06065 ug/mL.

Bioactivity-FACS 1



FACS assay shows Biotinylated Human TIGIT, Fc, Avitag can bind to 293T cell overexpressing human CD155. The concentration of TIGIT is 0.03 ug/mL.