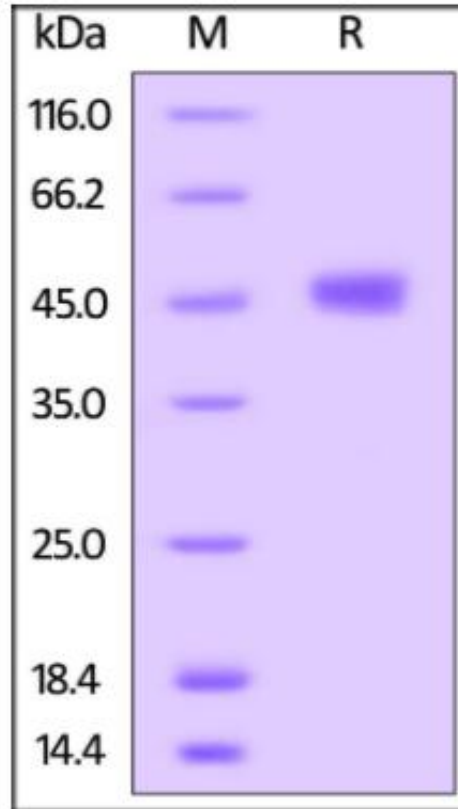


Recombinant Human TIGIT protein, C-mFc Tag

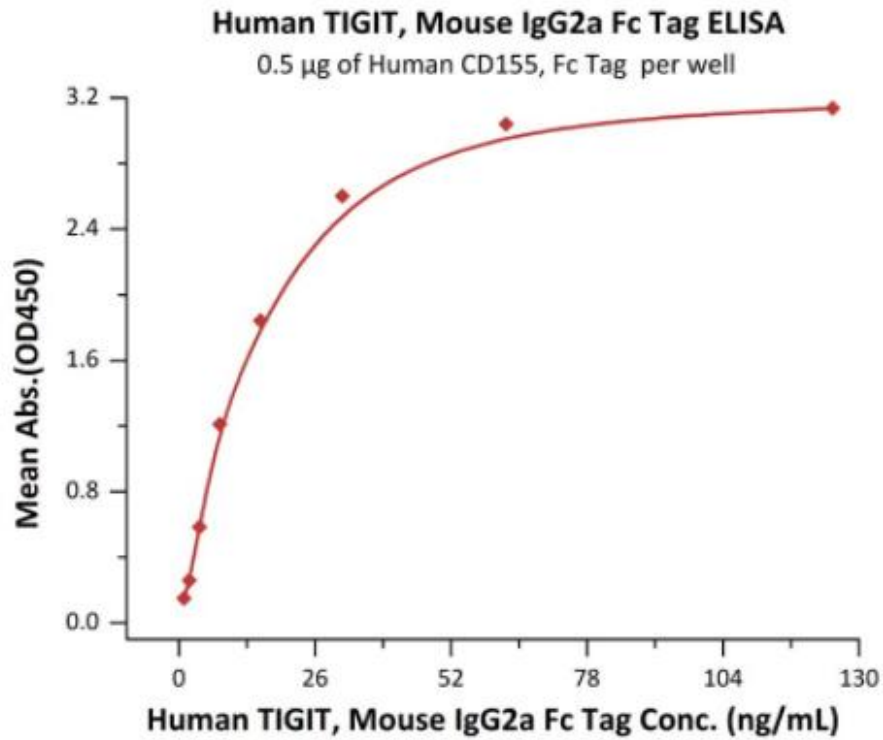
Product Information

Cat	IMP-037
Official Symbol	TIGIT
Product Overview	Recombinant Human TIGIT protein(AA Met 22-Pro 141)(Accession # Q495A1-1) is expressed from human 293 cells (HEK293). This protein carries a mouse IgG2a Fc tag at the C-terminus.
Expression System	HEK293
Species	Human
Tag	C-mFc Tag
Form	Lyophilized from sterile Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 40.1 kDa. The protein migrates as 42-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Protein length	Met 22-Pro 141
Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	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.
Reconstitution	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.
SDS-PAGE	



Human TIGIT, Mouse IgG2a Fc Tag, low endotoxin on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

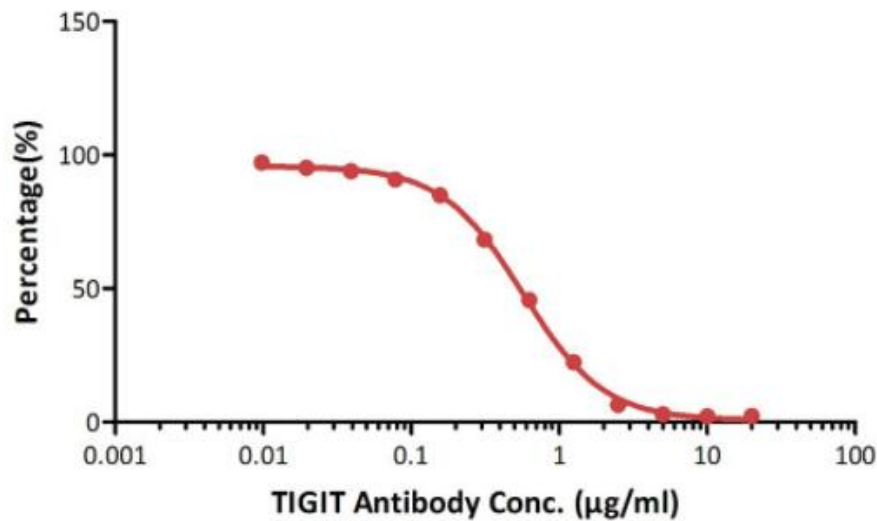
Bioactivity-ELISA 1



Immobilized Human CD155, Fc Tag at 5 ug/mL (100 uL/well) can bind Human TIGIT, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.5-8 ng/mL.

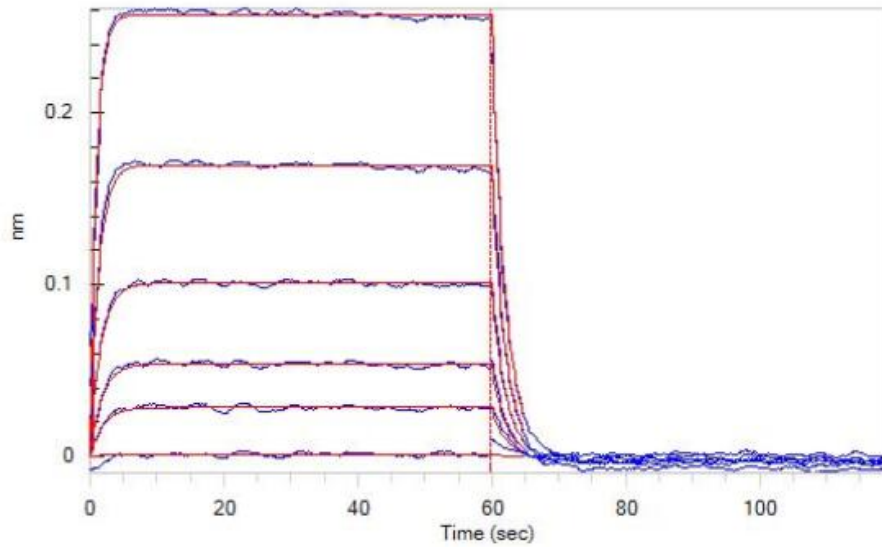
Bioactivity-ELISA 2

TIGIT: CD112 Inhibitor Screening ELISA Assay Pair



Serial dilutions of TIGIT antibody (1:2 serial dilutions, from 20 ug/mL to 0.0097 ug/mL) were added into Human TIGIT, Mouse IgG2a Fc Tag: Biotinylated Human Nectin-2, Fc, Avitag binding reactions. The assay was performed according to the above described protocol. Background was subtracted from data points before curve fitting.

Bioactivity-BLI 1



Loaded Human TIGIT, Mouse IgG2a Fc Tag on Protein A Biosensor, can bind Human CD155, His Tag with an affinity constant of 0.92 μ M as determined in BLI assay (ForteBio Octet Red96e).