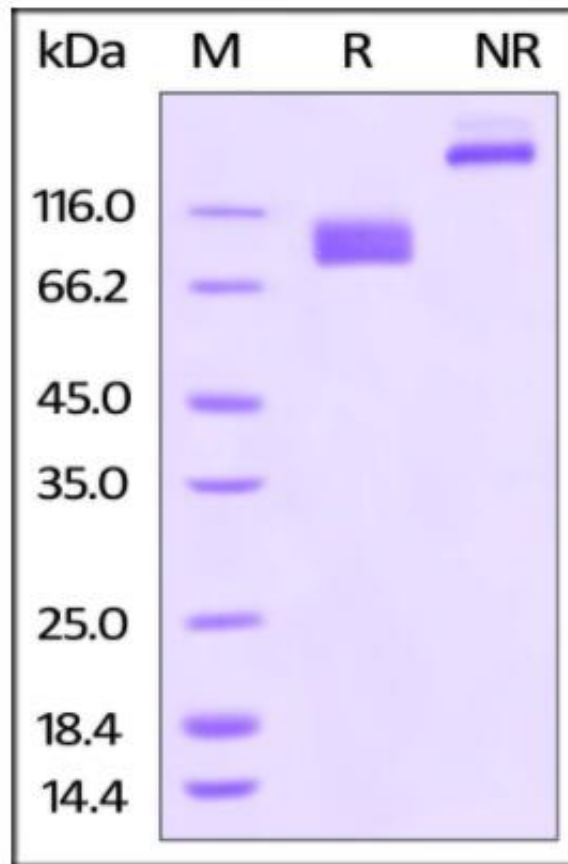


Recombinant Human PVR protein, C-hFc-Avi Tag, Biotinylated

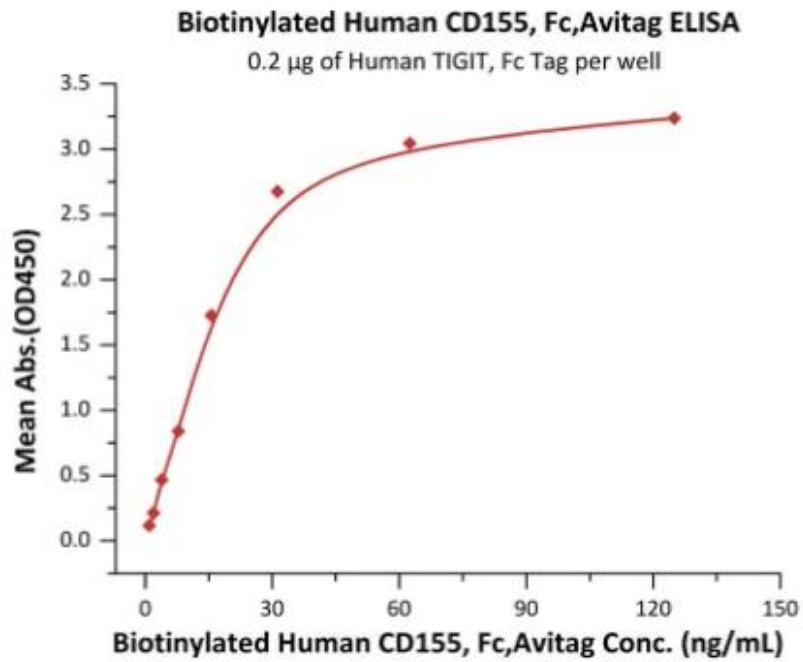
Product Information

Cat	IMP-079
Official Symbol	PVR
Product Overview	<i>Biotinylated Recombinant Human PVR protein(AA Trp 21-Asn 343)(Accession # NP_006496.2) 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 63.5 kDa. As a result of glycosylation, the protein migrates as 75-100 kDa under reducing (R) condition, and 140-180 kDa under non-reducing (NR) condition (SDS-PAGE).</i>
Protein length	Trp 21-Asn 343
Endotoxin	<i>Less than 1.0 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>
Bioactivity-FACS Title 2	Bioactivity-FACS
SDS-PAGE	



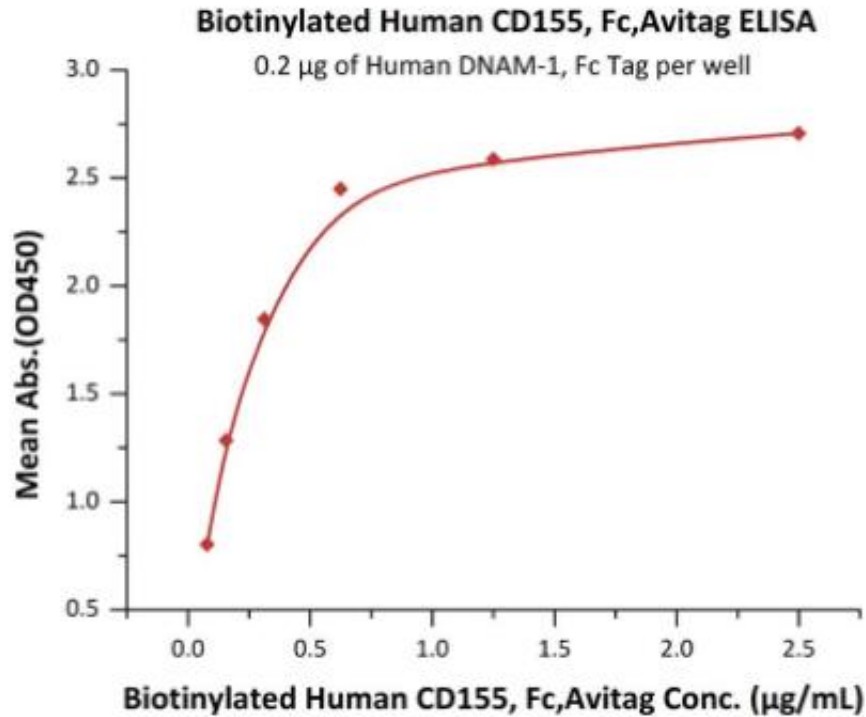
Biotinylated Human CD155, Fc,Avitag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA 1



Immobilized Human TIGIT, Fc Tag at 2 ug/mL (100 uL/well) can bind Biotinylated Human CD155, Fc,Avitag with a linear range of 0.5-16 ng/mL.

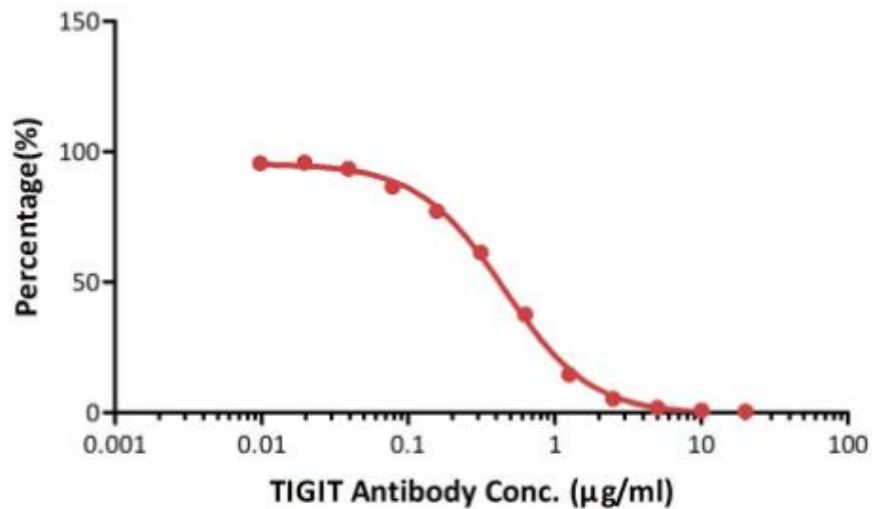
Bioactivity-ELISA 2



Immobilized Human DNAM-1, Fc Tag at 2 ug/mL (100 uL/well) can bind Biotinylated Human CD155, Fc,Avitag with a linear range of 0.02-0.312 ug/mL.

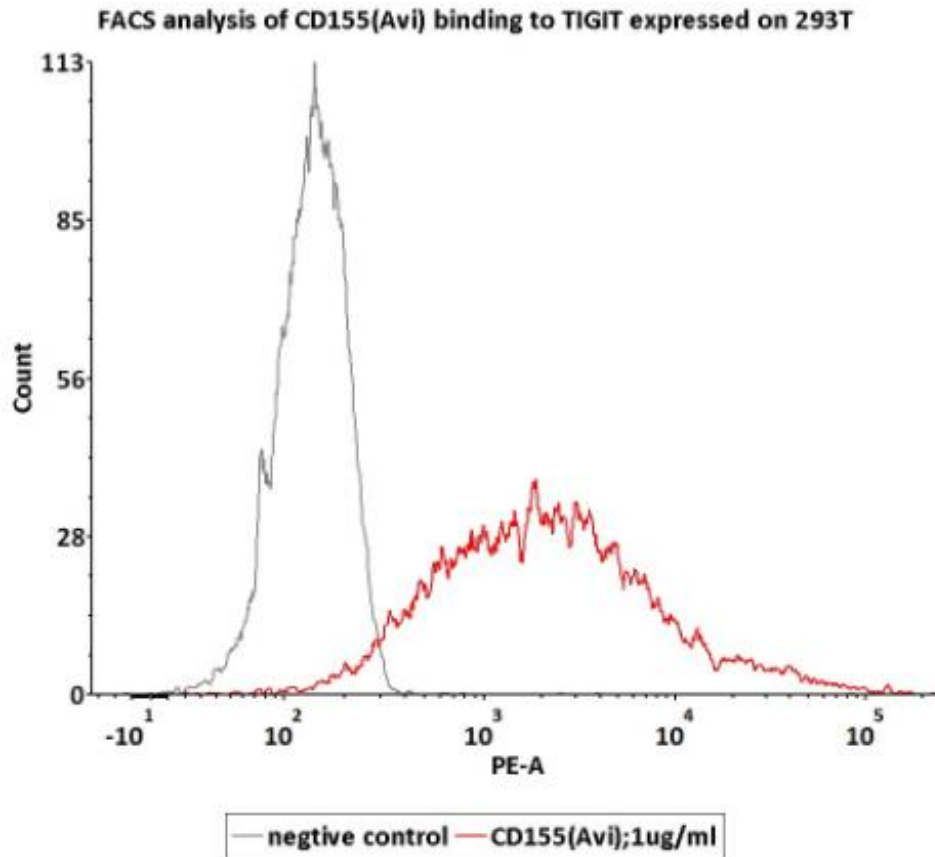
Bioactivity-ELISA 3

TIGIT:CD155 Inhibitor Screening ELISA Assay Pair
0.5 μ g Human TIGIT, His Tag per well



Serial dilutions of TIGIT antibody (1:2 serial dilutions, from 20 μ g/mL to 0.0097 μ g/mL) were added into Human TIGIT, His Tag: Biotinylated Human CD155, Fc, Avitag binding reactions. The assay was performed according to the above described protocol. Background was subtracted from data points before curve fitting.

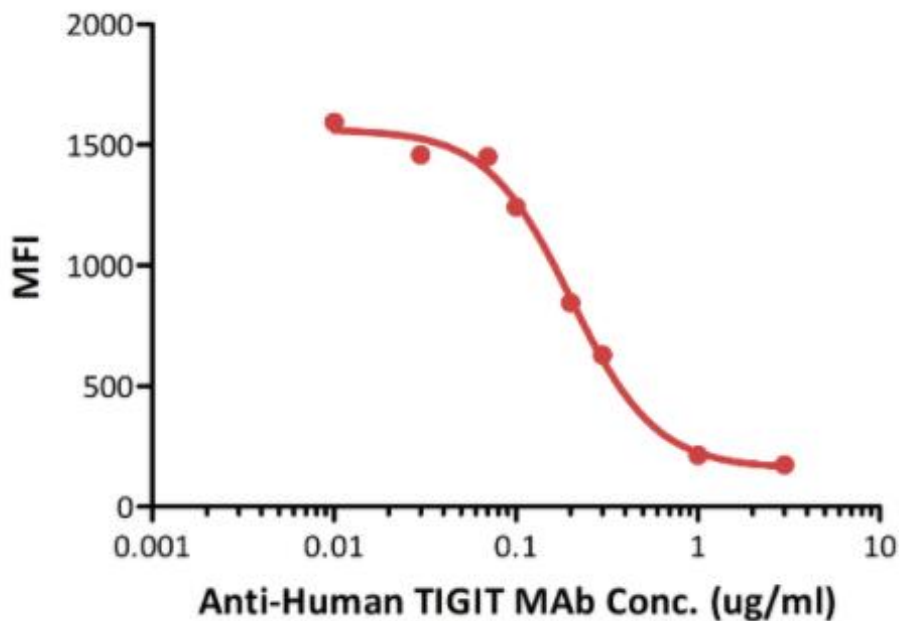
Bioactivity-FACS 1



FACS assay shows that Biotinylated Human CD155, Fc,Avitag can bind to 293T cell overexpressing human TIGIT. The concentration of CD155 is 1 ug/mL.

Bioactivity-FACS 2

Competitive experiment of neutralizing of Anti-Human TIGIT MAb



FACS analysis shows that the binding of Biotinylated Human CD155, Fc,Avitag to 293T overexpressing TIGIT was inhibited by increasing concentration of neutralizing Anti-Human TIGIT MAb. The concentration of CD155 used is 1 ug/mL. The IC₅₀ is 0.201 ug/mL.