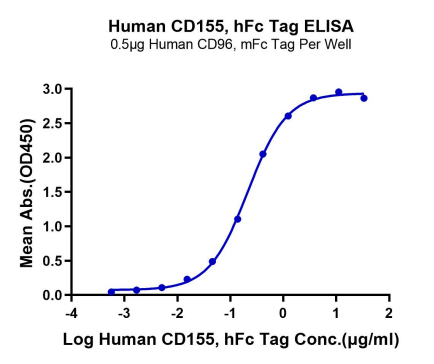
Bioactive | CellTx™ | HuPro®

PVR (Human) Recombinant Protein

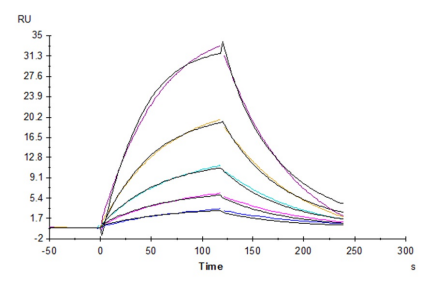
Catalog # P10101 Size 100 ug

Applications



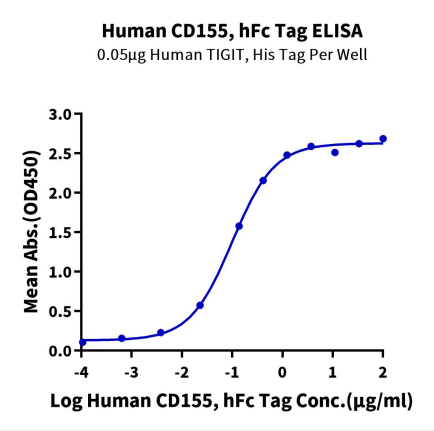
Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD96, mFc Tag at 5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.21 ug/ml determined by ELISA.



Surface Plasmon Resonance

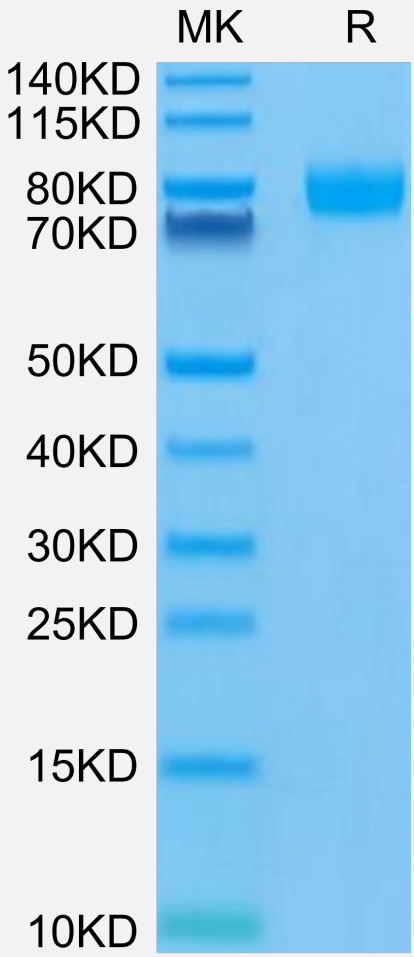
Human CD155, hFc Tag captured on CM5 Chip via Protein A can bind Human CD96, His Tag with an affinity constant of 0.958 uM as determined in SPR assay (Biacore T200).



ELISA

Immobilized Human TIGIT, His Tag at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.1 ug/ml determined by ELISA (QC Test).

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Tris-Bis PAGE

Human CD155 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human PVR (P15151-1, Trp21-Asn343) partial recombinant protein with hFc tag at C-terminus expr essed in HEK293 cells.
Sequence	Trp21-Asn343
Host	Human
Theoretical MW (kDa)	61.8
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by SEC-HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

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Quality Control Testing	ELISA ELISA Immobilized Human TIGIT, His Tag at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.1 ug/ml determined by ELISA (QC Test). Tris-Bis PAGE Human CD155 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SPR Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD96, mFc Tag at 5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.21 ug/ml determined by ELISA.
- Surface Plasmon Resonance

  Human CD155, hFc Tag captured on CM5 Chip via Protein A can bind Human CD96, His Tag with an affinity constant of 0.958 uM as determined in SPR assay (Biacore T200).

Gene Info — PVR

Entrez GeneID	5817
Protein Accession#	P15151-1
Gene Name	PVR
Gene Alias	CD155, FLJ25946, HVED, NECL5, Necl-5, PVS, TAGE4
Gene Description	poliovirus receptor
Omim ID	173850

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	nectin-like 5

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Amyotrophic lateral sclerosis
- Cleft Lip
- Cleft Palate
- Motor Neuron Disease
- Muscular Atrophy
- Spinal muscular atrophy

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