

## Recombinant Human CD155/PVR Protein (Fc Tag)

Catalog Number: PKSH031869

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

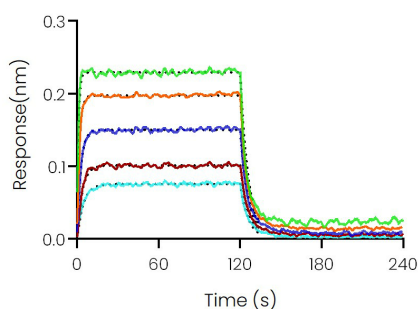
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human CD155/PVR protein Met 1-Asn 343, with an C-terminal hFc
<b>Calculated MW</b>	61.8 kDa
<b>Observed MW</b>	95-105 kDa
<b>Accession</b>	NP_006496.3
<b>Bio-activity</b>	Immobilized human DNAM1 at 2 µg/ml (100 µl/well) can bind human CD155-Fc with a linear ranger of 0.032-0.8 µg/ml.

### Properties

<b>Purity</b>	> 97 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



Loaded Recombinant Human CD155/PVR Protein, hFc Tag (Cat: PKSH031869) on ProA Biosensor, can bind Recombinant Human DNAM-1/CD226 Protein, His Tag (Cat: PKSH031523) with an affinity constant of 0.386 µM as determined in BLI assay (Sartorius Octet RED384) .

### Background

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CD155; commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5); is a type I transmembrane single-span glycoprotein; and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV); an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhesion; migration and NK-cell killing; and thus efficiently prime cell-mediated tumor-specific immunity.

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