



Recombinant Protein Technical Manual

Recombinant Human CD155/PVR Protein (His Tag)(Active)
RPES0335

Product Data:

Product SKU: RPES0335

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_006496.3

Protein Information:

Molecular Mass: 36.5 kDa

AP Molecular Mass: 60-65 kDa

Tag: C-His

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized human CD155 at 2 µg/ml (100 µl/well) can bind human DNAM1 with a linear ranger of 1.28-32 ng/ml.

Purity: > 97 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.5

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: CD155;HVED;Necl-5;NECL5;PVS;TAGE4

Immunogen Information:

Sequence: Met 1-Asn 343

Background:

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 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.