



Recombinant Protein Technical Manual
Recombinant Human CD96 Protein (His Tag)(Active)
RPES4476

Product Data:

Product SKU: RPES4476

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P40200-2

Protein Information:

Molecular Mass: 54.4 kDa

AP Molecular Mass: 12030 kDa

Tag: C-His

Bio-activity: Immobilized Human PVR-His(Cat: PKSH033563) at 10µg/ml(100 µl/well) can bind Biotinylated Human CD96-His. The ED50 of Human CD96-His is 27.54µg/mL.

Purity: > 90% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 a 0.2 µm filtered solution of PBS, pH7.4.

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

Application: Functional ELISA

Synonyms: T-cell surface protein tactile; Cell surface antigen CD96; T cell-activated increased late expression protein; CD96

Immunogen Information:

Sequence: Val22-Met503

Background:

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. The CD155 ligand CD96 is a member of the Ig superfamily. It's a immunoglobulin-like protein tentatively allocated to the repertoire of human NK receptors. NK cells recognize poliovirus receptor (PVR), anectins and nectin-like protein family member serve to mediate cell-cell adhesion, cell migration, with the presence of an additional receptor, CD96. CD96 promotes NK cell adhesion to target cells expressing PVR, stimulates cytotoxicity of activated NK cells, and mediates acquisition of PVR from target cells.