Recombinant Protein Technical Manual

Recombinant Mouse CD7 Protein (His Tag)(Active)

RPES2517

Product Data:

Product SKU: RPES2517

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_033984.1

Protein Information:

Molecular Mass:	15.7 kDa
AP Molecular Mass:	20-30 kDa
Tag:	C-His
Bio-activity:	Measured by its ability to bind biotinylated recombinant human SECTM1 in a functional ELISA.
Purity:	> 94 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU per µg of the protein 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from sterile PBS, pH 7.4
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	RP23-400P17.1

Immunogen Information:

Sequence: Met 1-Pro 150

Background:

The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. 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. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD7 is a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell / B-cell interaction during early lymphoid development.