Recombinant Protein Technical Manual

Recombinant Mouse HVEM/TNFRSF14 Protein (Fc Tag)(Active)

RPES4617

Product Data:

Product SKU: RPES4617

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_849262.1

Protein Information:

Molecular Mass:	45.6 kDa
AP Molecular Mass:	50&60 kDa
Tag:	C-Fc
Bio-activity:	Immobilized Mouse HVEM-Fc at 6µg/ml(100 µl/well) can bind Human BTLA-His(Cat: PKSH033758). The ED50 of Mouse HVEM-Fc is 1.17ug/ml .
Purity:	> 95 % as determined by 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℃ 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution:	Please refer to it for detailed information.
Application:	Functional ELISA
Synonyms:	Tnfrsf14; Herpesvirus entry mediator;HVEM; TR2;TNF receptor-like molecule;ATAR;another TRAF-associated receptor;Tumor necrosis factor receptor superfamily member 14;Atar;HveA

Immunogen Information:

Sequence: Gln39-Val207

Background:

Mouse Protein Tnfrsf14, is a type I transmembrane protein belonging to the TNF receptor superfamily. It is tumor necrosis factor receptor superfamily member 14 and expressed on the surface of T cells during the resting state. Interaction of HVEM with TNF family member LIGHT co-stimulates T cells and promotes inflammation. HVEM also triggers inhibitory signaling cascade in effector T (Teff) cells and regulatory T cells (Tregs) as a ligand of B and T lymphocyte attenuator. Tnfrsf14 is detected in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. It has demonstrated that HVEM Ig is able to exert a significant antiviral effect against HSV infection in vivo.

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