



Recombinant Protein Technical Manual

Recombinant Human 4BB/TNFRSF9 Protein (Fc & His Tag)(Active)
RPES1760

Product Data:

Product SKU: RPES1760

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q07011

Protein Information:

Molecular Mass: 44.0 kDa

AP Molecular Mass: 55-75 kDa

Tag: C-Fc-6His

Bio-activity: Immobilized Human 4BBL-His(Cat: PKSH032023) at 0.03µg/ml(100 µl/well) can bind Human 4BB-Fc. The ED50 of Human 4BB-Fc is 7.22 ug/ml .

Purity: > 95 % 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 a 0.2 µm filtered solution of PBS pH7.4.

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

Application: Functional ELISA

Synonyms: CD137; ILA; TNFRSF9; 4BB ligand receptor; CDw137; T-cell antigen 4BB homolog; T-cell antigen ILA

Immunogen Information:

Sequence: Leu24-Gln186

Background:

Tumor necrosis factor receptor superfamily member 9 (TNFRSF9) is an inducible T cell surface protein belonging to the TNF receptor superfamily. It is a single-pass type I membrane protein which contains 4 TNFR-Cys repeats. The human and mouse proteins share 60% amino acid sequence identity. It is absent from naive T cells, but upregulated and continually expressed following T cell activation. It is a receptor for TNFSF9/4BBL, and possibly active during T cell activation.