

Recombinant Protein Technical Manual Recombinant Human 4BBL/TNFSF9 Protein (His Tag)(Active) **RPES1680**

Product SKU: RPES1680	Size: 10μg
-----------------------	-------------------

Species: Human

Expression host: E. coli

Uniprot: P41273

Protein	Inform	nation
I I U U U I I		

Molecular Mass:	41.8 kDa
AP Molecular Mass:	16-20 kDa
Tag:	C-6His
Bio-activity:	Immobilized Human 4BB-His(Cat: PKSH032025) at 10μg/ml(100 μl/well) can bind Biotinylated Human 4BBL-His. The ED50 of Human 4BBL-His is 147.3 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 μ m filtered solution of 20mM PB, 150mM NaCl,pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	Tumor necrosis factor ligand superfamily member 9; 4BB ligand; 4BBL; TNFSF9

Sequence: Arg71-Glu254

Background:

Tumor necrosis factor ligand superfamily member 9(4BBL) is single-pass type II membrane protein which is a member of the the tumor necrosis factor family. 4BBL is a 254 amino acids cytokine that is expressed in brain, placenta, lung, skeletal muscle and kidney. TNFSF9 has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine may have a role in activationinduced cell death (AICD) and cognate interactions between T-cells and B-cells/macrophages. It has also been shown to be required for the optimal CD8 responses in CD8 T cells, and is thought to be involved in T cell-tumor cell interaction.