



Recombinant Protein Technical Manual

Recombinant Human TNFSF4/OX40L Protein (His Tag)(Active)

RPES1007

Product Data:

Product SKU: RPES1007

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P23510

Protein Information:

Molecular Mass: 16.3 kDa

AP Molecular Mass: 25-28 kDa

Tag: N-6His

Bio-activity: Immobilized Human OX40-Fc(Cat: PKSH032844) at 2µg/ml(100 µl/well) can bind Biotinylated Human OX40L-His. The ED50 of Human OX40L-His is 4.7 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 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 4;Glycoprotein Gp34;OX40 ligand;OX40L;TAX transcriptionally-activated glycoprotein 1;TNFSF4;CD252;TXGP1;CD134L;CD252;GP34;OX-40;TXGP1

Immunogen Information:

Sequence: Gln51-Leu183

Background:

Tumor necrosis factor ligand superfamily member 4 (TNFSF4/OX40L) is a single-pass type II membrane protein. OX40L is expressed on the surface of activated B cells, T cells, dendritic cells and endothelial cells. OX40L binds to OX40 (CD134), a member of the TNF receptor superfamily that is expressed predominantly on activated CD4+ T cells. OX40-OX40L co-stimulates signal to promote the survival and proliferation of activated CD4+ T cells and prolong the immune response. It involved in T-cell proliferation and cytokine production. Additional, it has been found association with systemic lupus erythematosus, no association with occurrence of atherosclerosis.