



Recombinant Protein Technical Manual

Recombinant Mouse OX40/TNFRSF4 Protein (His Tag)(Active)

RPES4912

Product Data:

Product SKU: RPES4912

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P47741

Protein Information:

Molecular Mass: 22.1 kDa

AP Molecular Mass: 40 kDa

Tag: C-6His

Bio-activity: Immobilized Mouse OX40L-His(Cat: PKSM041119) at 0.8µg/ml(100 µl/well) can bind Biotinylated Mouse OX40-His. The ED50 of Mouse OX40-His is 23.17 ug/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°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 it for detailed information.

Application: Functional ELISA

Synonyms: Tumor necrosis factor receptor superfamily member 4;Tnfrsf4;OX40;CD134;Txgp1

Immunogen Information:

Sequence: Val20-Pro211

Background:

OX40, also termed CD134 and TNFRSF4, is a T cell co-stimulatory molecule of the TNF receptor superfamily which plays a key role in the survival and homeostasis of effector and memory T cells. OX40 is expressed on CD4+ and CD8+ T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. The interaction between OX40 and OX40 ligand (OX40L) will occur when activated T cells bind to professional antigen-presenting cells (APCs). The T-cell functions, including cytokine production, expansion, and survival, are then enhanced by the OX40 costimulatory signals. OX40 signals are critical for controlling the function and differentiation of Foxp3+ regulatory T cells. OX40-OX40L interaction regulates T-cell tolerance, peripheral T-cell homeostasis, and T-cell-mediated inflammatory diseases.