OX40/TNFRSF4

Catalog Number:E21-K60

Amount:10ug

Alternname: Tumor necrosis factor receptor superfamily member 4;TNFRSF4;OX40;CD134;Txgp1

Storage/Stability: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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.

Species: Human

Reconstitution: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Purity: Greater than 95% as determined by reducing SDS-PAGE.

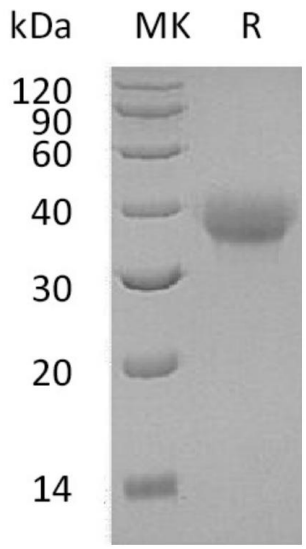
Description: Recombinant Human OX40L receptor is produced by our Mammalian expression system and the target gene encoding Leu29-Ala216 is expressed with a 6His tag at the C-terminus.

Product State: Lyophilized

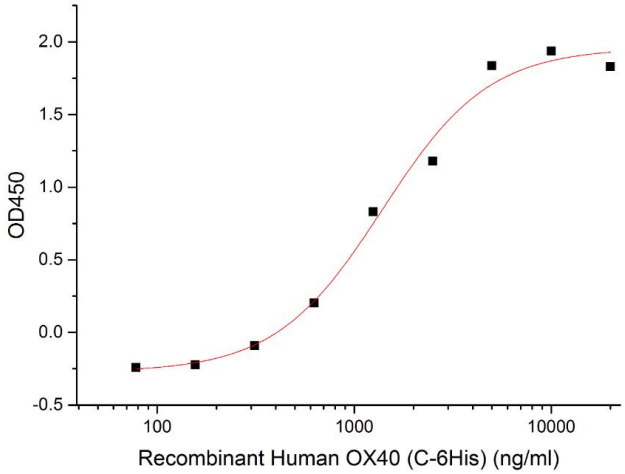
Ship Description: The product is shipped at ambient temperature.

Formulation: Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.

Expression system: Human Cells



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)



Immobilized Mouse OX40L-His at 10 μg/ml (100 μl/well) can bind Human OX40-6His.*: Biotinylated by NHS-biotin prior to testing The ED50 of Recombinant Human OX40-6His is 1.44 ug/ml. (Regularly tested)