

OX40/TNFRSF4 Protein (Primary Amine Labeling), Human, Recombinant (hFc), Biotinylated

General Information

Synonyms:	IMD16;ACT-135;OX40 homologue;Ly-70; TXGP1L;TNFRSF4;OX40;OX40L receptor;CD134
Protein Construction:	Leu29-Ala216
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P43489
Molecular Weight:	46.8 kDa (predicted). Due to glycosylation, the protein migrates to 72-75 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), also known as CD134 and OX40 receptor. OX40 is a secondary co-stimulatory immune checkpoint molecule, expressed after 24 to 72 hours following activation; its ligand, OX40L, is also not expressed on resting antigen presenting cells, but is following their activation.

Reference

Al-Shamkhani A, et al. Affinity and Kinetics of the Interaction between Soluble Trimeric OX40 Ligand, a Member of the Tumor Necrosis Factor Superfamily, and Its Receptor OX40 on Activated T Cells[J]. Journal of Biological Chemistry, 1997, 272(8):5275-5282.

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