

Human OX40L Protein; hFc Tag

Product Information

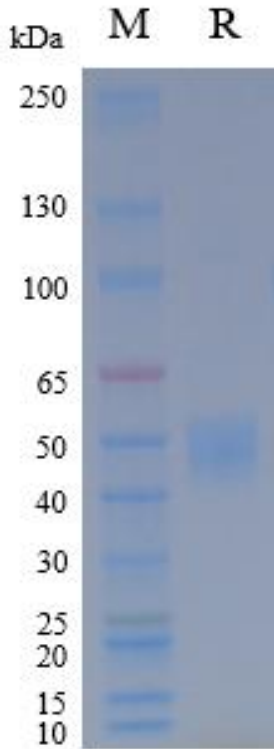
Product Name	Human OX40L Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88598RP-100 / 100 μg GM-88598RP-1000 / 1 mg

Protein Information

Alternative Names	TNFSF4, CD134 ligand, CD134L
Source	Human OX40L Protein; hFc Tag (GM-88598RP) is expressed from human 293 cells (HEK-293). It contains AA Gln51-Leu183 (Accession # P23510-1). This protein carries a hFc tag at the N-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	42.2 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	OX40L protein (Ox40 ligand), also known as CD252 or TNFSF4, is a co-stimulatory molecule that belongs to the tumor necrosis factor (TNF) ligand superfamily. It is encoded by the <i>TNFSF4</i> gene and is a protein associated with the human immune system. OX40L protein was initially discovered on activated antigen-presenting cells and later detected in various immune cell subsets, including dendritic cells, macrophages, B cells, and T cells, as well as in non-immune tissues such as vascular endothelial cells. OX40L protein regulates the activation, proliferation, and survival of T cells by binding to its receptor OX40 (also known as CD134 or TNFRSF4) on the surface of T cells. CD4 ⁺ and CD8 ⁺ T cells are important types of lymphocytes with critical functions in adaptive immune responses, cytokine production, and immune memory formation, making them central members of the immune system. Research indicates that OX40L protein plays a significant role in promoting T cell survival, enhancing effector T cell function, modulating regulatory T cell (Treg) activity, and sustaining immune memory responses. Additionally, the expression of OX40L protein is associated with autoimmune diseases, inflammatory disorders, graft-versus-host disease, and tumor immunity, making it a potential target for immunotherapy.

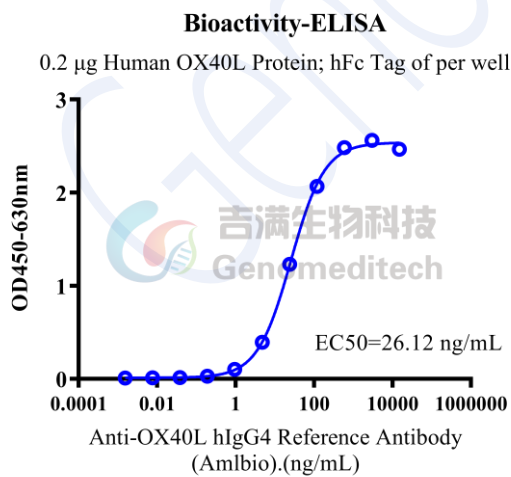
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SDS-PAGE

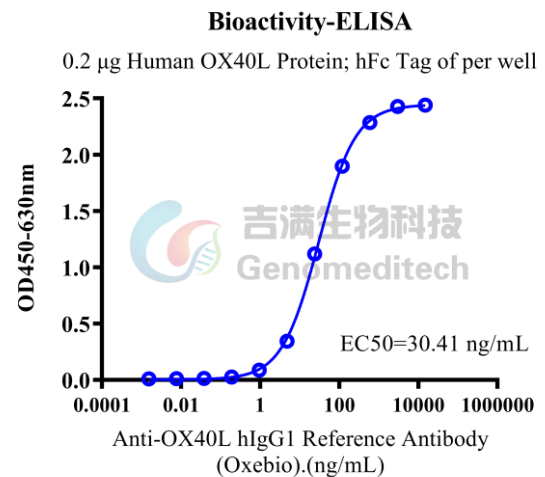


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



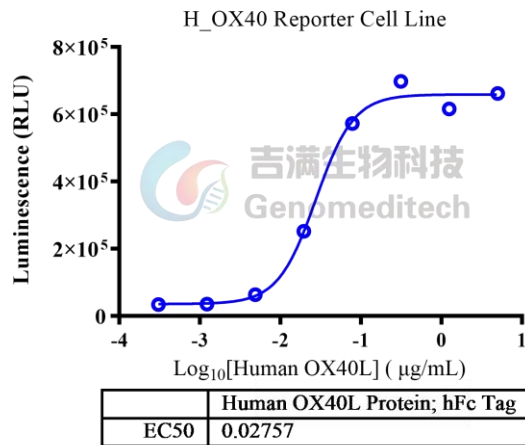
Human OX40L Protein; hFc Tag (Catalog # GM-88598RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-OX40L hIgG4 Reference Antibody (Amlbio) (Catalog # GM-87799MAB) were added.



Human OX40L Protein; hFc Tag (Catalog # GM-88598RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-OX40L hIgG1 Reference Antibody (Oxebio) (Catalog # GM-87694MAB) were added.

Version:4.0

Bioactivity-CELL BASE



Human OX40L Protein; hFc Tag (Catalog # GM-88598RP)
 was added into H_OX40 Reporter Cell Line (Catalog # GM-
 C30855) and stimulates related signals.