Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
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Mouse TNFSF8(CD30L) Protein; His Tag

Product Information

Product Name	Mouse TNFSF8(CD30L) Protein; His Tag
Storage temp	Store at ≤ -70℃, 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-88436RP-100 / 100 μg** **GM-88436RP-1000 / 1 mg**

Protein Information

Alternative Names	CD30 ligand, CD153
Source	Mouse TNFSF8(CD30L) Protein; His Tag (GM-88436RP) is expressed from human 293 cells (HEK-293). It contains AA Gln 68 - Asp 239 (Accession # P32972). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	20.3 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	TNFSF8 protein (Tumor Necrosis Factor Ligand Superfamily Member 8), also known as CD30L, is a co-stimulatory molecule that belongs to the tumor necrosis factor (TNF) ligand superfamily. It is encoded by the *TNFSF8* gene and is a protein associated with the human immune system. TNFSF8 protein was initially discovered on activated T cells and Hodgkin lymphoma cells, and later detected on various immune cell subsets, including activated T cells, B cells, and myeloid cells, as well as in lymphoid tissues such as the thymus and spleen. TNFSF8 protein regulates the activation, proliferation, and survival of lymphocytes by binding to its receptor CD30 (also known as TNFRSF8) on the surface of immune cells. CD30-positive T cells and B cells are important targets of TNFSF8 signaling, playing critical functions in adaptive immune responses, inflammation, and immune regulation, making them central members of the immune system. Research indicates that TNFSF8 protein plays a significant role in promoting lymphocyte survival, enhancing T cell activation and differentiation, and modulating inflammatory responses. Additionally, the expression of TNFSF8 protein is associated with hematological malignancies, such as Hodgkin lymphoma and anaplastic large cell lymphoma, as well as with inflammatory and autoimmune diseases, making it a potential target for immunotherapy and targeted therapy.

Version:4.0

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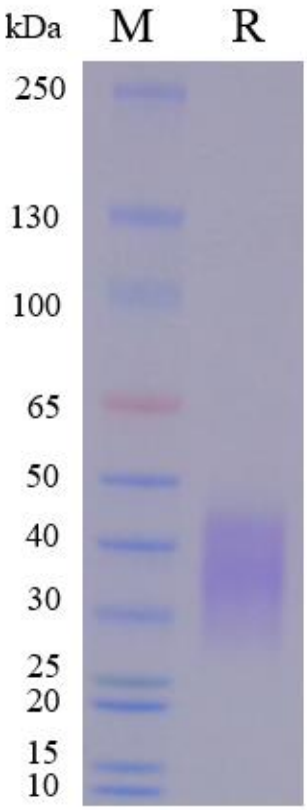
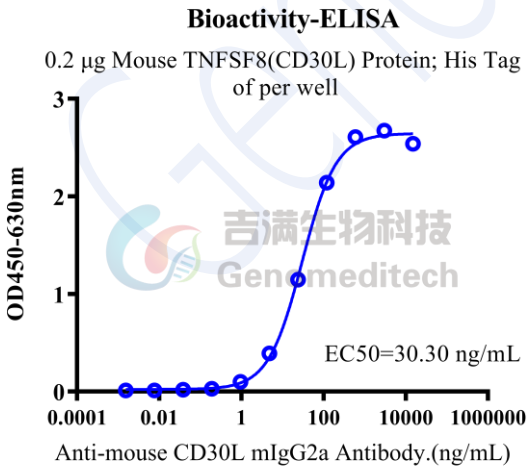
SDS-PAGE

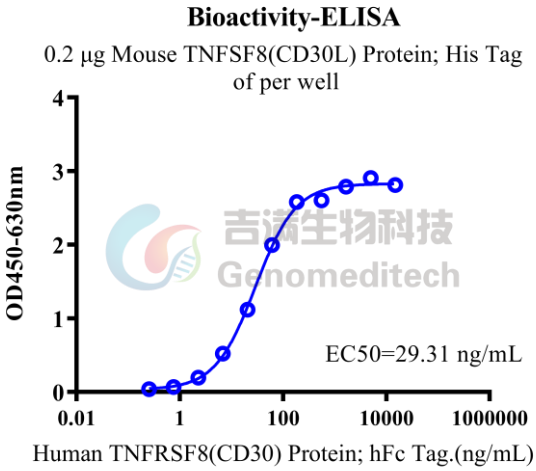


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Mouse TNFSF8(CD30L) Protein; His Tag (Catalog # GM-88436RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-mouse CD30L mIgG2a Antibody (Catalog # GM-88402MAB) were added.



Mouse TNFSF8(CD30L) Protein; His Tag (Catalog # GM-88436RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Human TNFRSF8(CD30) Protein; hFc Tag (Catalog # GM-88427RP) were added.

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