

Mouse TNFRSF8(CD30) Protein; His Tag

Product Information

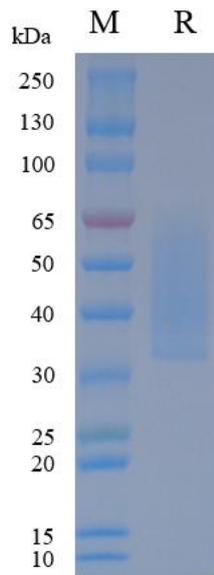
Product Name	Mouse TNFRSF8(CD30) Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88430RP-100 / 100 μg GM-88430RP-1000 / 1 mg

Protein Information

Alternative Names	TNFRSF8, CD30, D1S166E, Ki-1
Source	Mouse TNFRSF8(CD30) Protein; His Tag (GM-88430RP) is expressed from human 293 cells (HEK-293). It contains AA Phe 19 - Thr 281 (Accession # Q60846). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	28.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	TNFRSF8, also known as CD30, is a type I transmembrane receptor in the tumor necrosis factor receptor (TNFR) superfamily. It is variably expressed on activated T cells, certain B cells, and a subset of malignancies such as Hodgkin lymphoma and anaplastic large cell lymphoma. CD30 functions as a co-stimulatory receptor involved in cell proliferation, survival, and differentiation signals. It is also used as a diagnostic and therapeutic target in CD30-positive diseases. Other aliases include D1S166E and Ki-1. CD30 signaling is initiated upon trimerization or clustering of the receptor, leading to recruitment of adaptor proteins and activation of downstream pathways such as NF- κB , MAPK (ERK, JNK), and PI3K-Akt. This signaling promotes cell survival, proliferation, and cytokine production, particularly in activated T cells and certain neoplastic cells. Dysregulated CD30 signaling can contribute to pathologic immune responses and tumorigenesis, making CD30 a valuable target for monoclonal antibodies and targeted therapies.

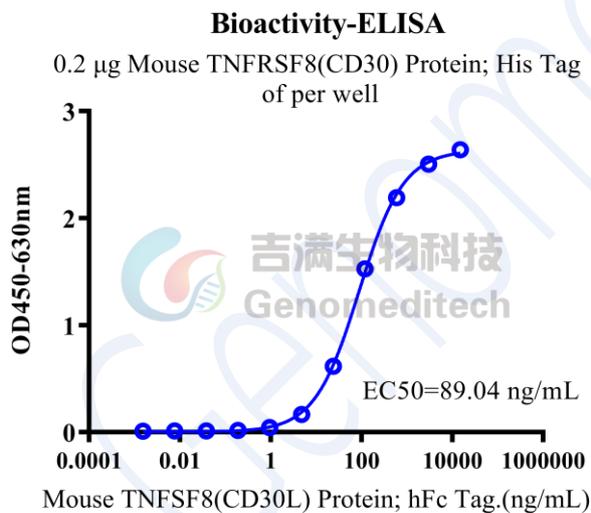
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SDS-PAGE



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 TNFRSF8(CD30) Protein; His Tag (Catalog # GM-88430RP) was immobilized at 2 μ g/ml (100 μ L/well).

Increasing concentrations of Mouse TNFSF8(CD30L) Protein; hFc Tag (Catalog # GM-88437RP) were added.