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Product Sheet

Human TNF beta Protein; hFc Tag

GM-88748RP-100 / 100 μg
GM-88748RP-1000 / 1 mg

Product Information

Product Name	Human TNF beta Protein; hFc Tag
Source	Human TNF beta Protein; hFc Tag (GM-88748RP) is expressed from human 293 cells (HEK-293). It contains AA Lys 62 - Leu 205 (Accession # P01374). This protein carries a hFc tag at the N-terminus.
Predicted MW	42.6 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	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.
Shipping	Shipped on dry ice.
Synonyms	LTA, DAMA-25N12, 13-004, LT, TNFB, TNFSF1, LT-alpha, TNF-beta
Background	TNF-β (lymphotoxin-α, LTα) is a tumor necrosis factor superfamily cytokine produced by activated T, B and natural killer cells. Unique among TNF ligands in lacking a transmembrane domain, it is secreted directly and assembles as a soluble homotrimer that engages TNFR1, TNFR2 and HVEM. LTα also pairs with the membrane-anchored lymphotoxin-β to form surface heterotrimers, principally LTα1β2, which signal exclusively through the lymphotoxin-β receptor. This axis drives NF-κB-dependent chemokine, adhesion-molecule and MHC expression in stromal cells, orchestrating lymph node and Peyer's patch organogenesis, splenic architecture and postnatal maintenance of lymphoid tissue. Dysregulated LTα signaling underlies ectopic lymphoid neogenesis in autoimmunity and shapes chronic inflammation in tumors.

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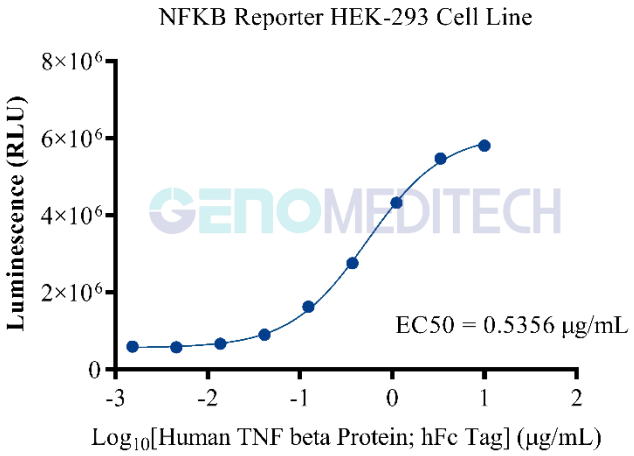
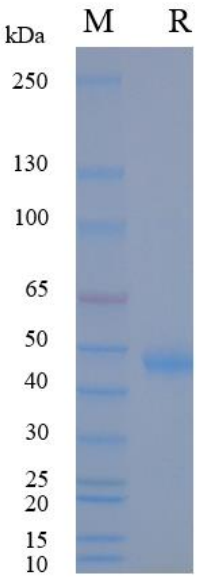
Data

Biological Activity



Human TNF beta Protein; hFc Tag (Catalog # GM-88748RP) was added into NFKB Reporter HEK-293 Cell Line(Catalog # GM-C45565) and stimulates related signals.

Purity



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

Related Products

TNF:TNFR2:TNFR1	
H_TNFR2 Null Reporter Cell Line	H_TNFR2 Reporter Jurkat Cell Line
H_TNFR2 Reporter V2 Cell Line	Cynomolgus_TNFRSF1B(TNFR2) CHO-K1 Cell Line
H_TNFR1 CHO-K1 Cell Line	H_TNFRSF1B(TNFR2) CHO-K1 Cell Line
H_TNFRSF1B(TNFR2) HEK-293 Cell Line	Membrane Bound H_TNFα CHO-K1 Cell Line
Membrane Bound H_TNFα(cleavage-resistant) CHO-K1 Cell Line	

Anti-H_TNFRSF1B(TNFR2) hIgG1 Antibody(UC2.3.8)	Anti-TNFR1 hIgG1 Antibody(Atrosab)
Anti-TNF-α hIgG1 Reference Antibody (Adabio)	
Cynomolgus TNF alpha Protein; His Tag	Cynomolgus TNFR2 Protein; His Tag
Human TNF alpha Protein; hFc Tag	Human TNF alpha Protein; His Tag
Human TNFR1 Protein; hFc Tag	Human TNFR1 Protein; His Tag
Human TNFR2 Protein; hFc Tag	Human TNFR2 Protein; His Tag

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