

Active Recombinant Human TNF protein, His-Avi-tagged, Low Endotoxin

Cat. No. TNF-311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNF protein(P01375)(77-233 aa), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	77-233 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human TNF alpha, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human TNFR2, mFc Tag with the EC50 of 45.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 20.3 kDa. Due to glycosylation, the protein migrates to 21-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name TNF tumor necrosis factor [Homo sapiens]

Official Symbol TNF

Synonyms TNF; tumor necrosis factor; TNFA, tumor necrosis factor (TNF superfamily, member 2); DIF; TNF superfamily; member 2; TNF alpha; TNFSF2; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; TNF superfamily, member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; TNFA; TNF-alpha;

Gene ID 7124

mRNA Refseq NM_000594

Protein Refseq NP_000585

MIM 191160

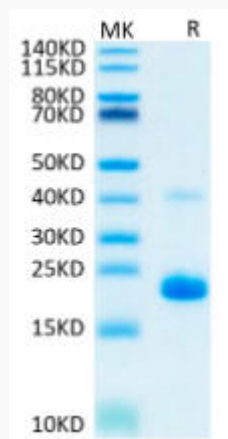
UniProt ID P01375

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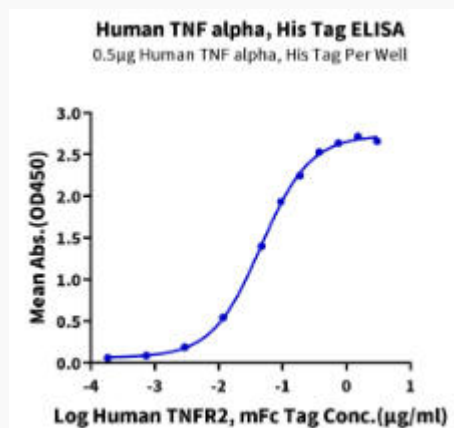
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Bis-Tris PAGE



ELISA Data



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