

# Active Recombinant Human TNF protein, His-Avi-tagged, Biotinylated

**Cat. No.** TNF-361H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human TNF protein(Val77-Leu233) is expressed from HEK293 with His tag and Avi tag at the C-terminal.                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Val77-Leu233                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from 0.22um filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                                                      |
| <b>Bio-activity</b>     | Immobilized Human TNF R2, mFc Tag at 0.5ug/ml (100ul/Well) on the plate. Dose response curve for Biotinylated Human TNF alpha, His Tag with the EC50 of 3.5ng/ml determined by ELISA. See testing image for detail. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 20.3 kDa. Due to glycosylation, the protein migrates to 21-24 kDa based on Tris-Bis PAGE result.                                                                                  |
| <b>Endotoxin</b>        | Less than 1EU per ug by the LAL method.                                                                                                                                                                             |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                                                    |
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution**

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 ug/ml is recommended. Dissolve the lyophilized protein in distilled water.

**Conjugation**

Biotin

## 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**

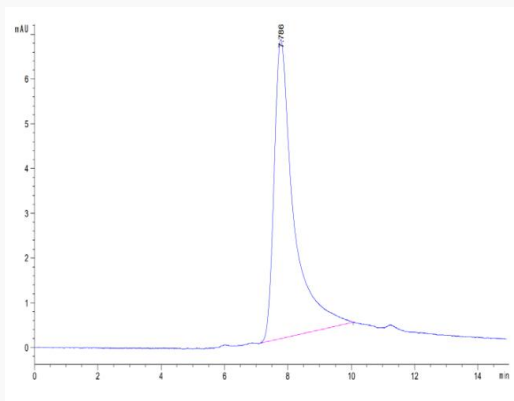
P01375

 Tel: 1-631-559-9269 1-516-512-3133

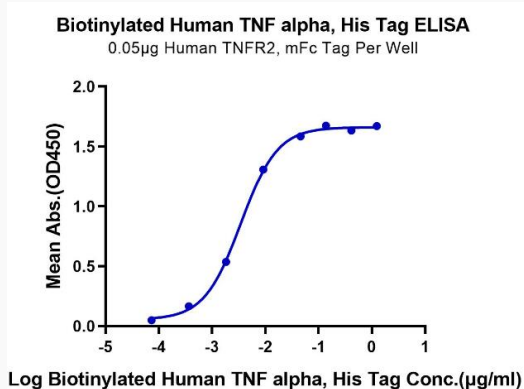
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## SEC-HPLC



## ELISA



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA