

Ferret TNF alpha Protein



Cat. No. TNF-FE10A

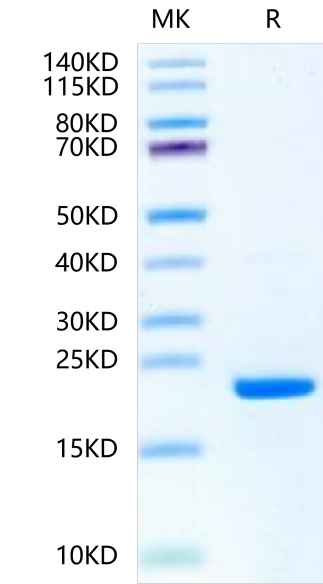
| Description      |  |
|------------------|--|
| Source           | Recombinant Ferret TNF alpha Protein is expressed from E.coli with His tag at the C-Terminus.<br>It contains Val77-Leu233. |
| Accession        | A3FBF1   |
| Molecular Weight | The protein has a predicted MW of 18.88 kDa same as Bis-Tris PAGE result.  |
| Endotoxin        | Less than 1 EU per µg by the LAL method.   |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC  |

| Formulation and Storage |   |
|-------------------------|---|
| Formulation             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| Reconstitution          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| Storage                 | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background   |  |
|--|--|
| Tumor necrosis factor alpha (TNF-alpha), also known as cachectin and TNFSF2, is the prototypic ligand of the TNF superfamily. It is a pleiotropic molecule that plays a central role in inflammation, immune system development, apoptosis, and lipid metabolism.Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation. |  |

Assay Data

Bis-Tris PAGE



Ferret TNF alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

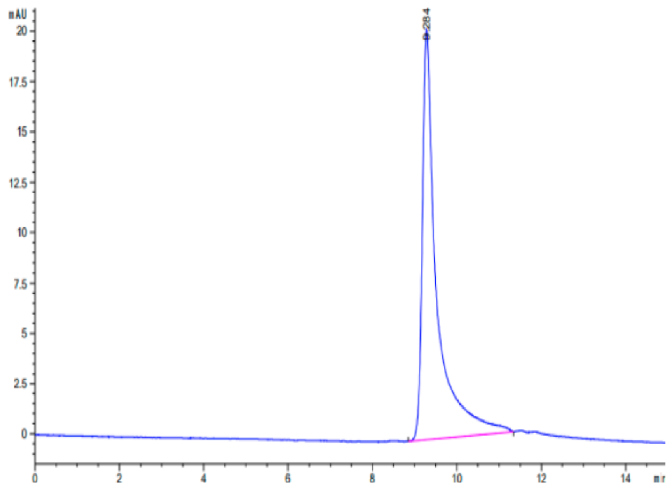
SEC-HPLC

Ferret TNF alpha Protein

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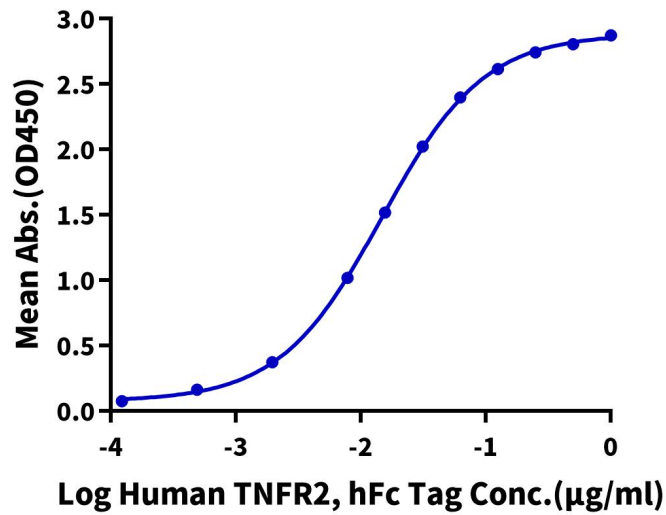
Assay Data



The purity of Ferret TNF alpha is greater than 95% as determined by SEC-HPLC.

ELISA Data

Ferret TNF-alpha, His Tag ELISA  
0.2µg Ferret TNF-alpha, His Tag Per Well



Immobilized Ferret TNF-alpha, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TNFR2, hFc Tag with the EC50 of 14.7ng/ml determined by ELISA (QC Test).