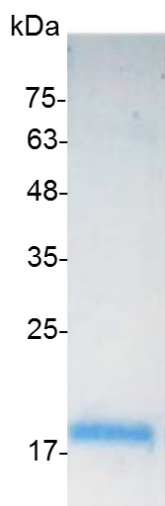


PRODUCT INFORMATION

TNF alpha (Tumor necrosis factor alpha), Swine

Catalog number	C03010-5UG / C03010-20UG / C03010-100UG
Package	5 µg / 20 µg / 100 µg
Description	TNF-α is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF-α from cells soluble can release homotrimeric TNF-α. TNF-α can bind with some TNF-α receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF-α participate in the inflammatory response.
Source	<i>Escherichia coli</i>
Sequence	MLRSSSQTS DKPVAHVVANVKAEGQLQWQSGYANALLANGVCLKDNQLVVPT DGLYLIYSQVLFRRGQGPCSTNVFLTHTISRIVSYQTKVNLLSAIKSPCQRETPE GAEAKPWYEPYILGGVFQLEKDDRLSAEINLPDYLDFAESGQVYFGIIAL with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce cytotoxicity in PK15 cells in the presence of the actinomycin D. The ED ₅₀ for this effect is <15 pg/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant swine TNF alpha

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