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32-1783: TNF a HEK Recombinant Protein

Alternative Name : TNF-alpha,Tumor necrosis factor ligand superfamily member 2,TNF-a,Cachectin,DIF,TNFA,TNFSF2.

Description

Source : HEK. TNF-a Human Recombinant produced in HEK cells is a glycosylated non-disulfide linked homotrimer, containing 157 and having total Mw of 17kDa.The TNF-a is purified by proprietary chromatographic techniques. Tumor necrosis factor is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF is mainly secreted by macrophages. TNF causes apoptotic cell death, cellular proliferation, differentiation, inflammation, tumorigenesis and viral replication, TNF is also involved in lipid metabolism, and coagulation. TNF's primary role is in the regulation of immune cells.Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases- autoimmune diseases, insulin resistance, and cancer.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	The TNF-a protein was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	Lyophilized TNF-a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNF-a should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	VRSSSRTPSDKPVAHVVANPQAEGQLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYSQVLFKGQGCPSTH VLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKGDRLSAEINRPDYLDFAESGQ VYFGIIAL.

Application Note

It is recommended to reconstitute the lyophilized TNF-a in sterile water not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The specific activity was determined by the dose-dependent cytotoxity of the TNF alpha sensitive cell line L-929 in the presence of Actinomycin D and is typically 0.05-0.5ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.