Product Datasheet

RecombinantTNF-α,RhesusMacaque (orb1494765)

Description	Tumor Necrosis Factor-Alpha (TNF-α) plays a major role in regulating growth, differentiation, inflammation, viral replication, tumorigenesis, and autoimmune disease. TNF alpha-1a is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells. In addition to inducing hemorrhagic necrosis of tumors, studies indicate TNF is involved in certain types of tumorigenesis, tumor metastasis, viral replication, septic shock, fever, inflammation, Crohn's disease, rheumatoid arthritis and graft-versus-host disease.Recombinant Rhesus Macaque TNF-α produced in E.coli is a single, non-glycosylated polypeptide chain containing 157 amino acids. A fully biologically active molecule, Recombinant Rhesus Macaque TNF-α has a molecular mass of 17.4 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS
Form/Appearance	Lyophilized after extensive dialysis against PBS
Storage	Lyophilized recombinant Rhesus Macaque TNF-α, remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rhesus Macaque TNF-α should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O at 100 μg/ml.
Protein Sequence	VRSSSRTPSD KPVAHVVANP QAEGQLQWLN RRANALLANG VELTDNQLVV PSEGLYLIYS QVLFKGQGCP SNHVLLTHTI SRIAVSYQTK VNLLSAIKSP CQRETPEGAE AKPWYEPIYL GGVFQLEKGD RLSAEINLPD YLDFAESGQV YFGIIAL
Purity	> 95% as analyzed by SDS-PAGE& HPLC
Source	Escherichia coli.
MW	17.4 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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