TNF-α (soluble) (human), (recombinant)

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ALX-522-008-C050	50µg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Tumor necrosis factor-α, TNFSF 2
Application Notes	ELISA: binds to TNF-R2 at 0.1-10 ng.
Concentration	1mg/ml after reconstitution.
Endotoxin Content	<0.1EU/µg purified protein (LAL test; Associates of Cape Cod).
Formulation	Lyophilized. Contains PBS.
MW	~19kDa (SDS-PAGE).
Purity	≥95% (SDS-PAGE)
Reconstitution	Reconstitute with 50µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Source	Produced in *E. coli*. The extracellular domain of human TNF-α (tumor necrosis factor-α) (aa 85-223) is fused at the N-terminus to a linker peptide (8 aa) and a FLAG®-tag.
Specificity	Binds to human and mouse TNF-R1 and less efficiently to TNF-R2. In the presence of cross-linking enhancer (Prod. No. ALX-804-034), TNF-α shows a significantly higher affinity for TNF-R2 than for TNF-R1, mimicking the characteristics of membrane-bound TNF-α.

Technical Info / Product Notes	Historical lots have demonstrated biological activity in a concentration range of 0.1-1ng/ml (WEHI 164 cells), and an ED_{50} of 0.1ng/ml (WEHI 164 cells). FLAG is a registered trademark of Sigma-Aldrich Co.
UniProt ID	P01375

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