

Product Datasheet

Human TNF-alpha Protein (orb383503)

Description	Human TNF-alpha Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Val 77 - Leu 233 (Accession # NP_000585.2).
Reactivity	Human
Endotoxins	1.0 EU per µg
Conjugation	Unconjugated
Target	TNF-alpha
Preservatives	PBS, pH7.4
Form/Appearance	Powder
Storage	-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Tag	C-6×His
Note	For research use only
Application notes	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 18.3 kDa. The protein migrates as 17-19 kDa under reducing (R) condition (SDS-PAGE).
Biologically Active?	Yes
Biological Activity	Humira (Adalimumab) captured on CM5 chip via anti-human IgG Fc antibodies surface, can bind Human TNF-alpha Protein, His Tag with an affinity constant of 0.244 nM as determined in a SPR assay (Biacore T200) (Routinely tested).
Purity	95%

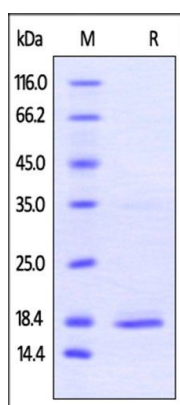
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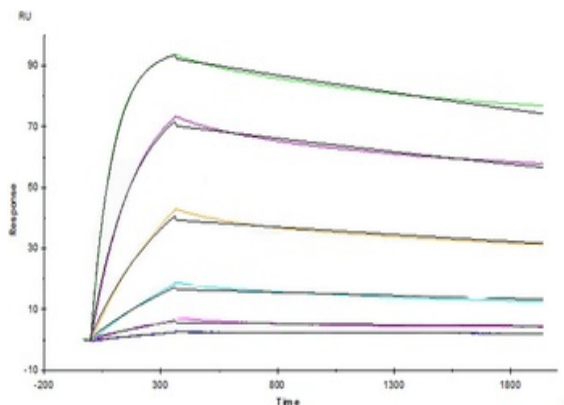
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Source	Human TNF-alpha, His Tag (active trimer) (MALS verified) (orb383503) is expressed from human 293 cells (HEK293). It contains AA Val 77 - Leu 233 (Accession # NP_000585.2).
MW	18.3 kDa
NCBI	NP_000585.2
Expiration Date	6 months from date of receipt.



SDS-PAGE analysis of Human TNF-alpha protein



Humira (Adalimumab) captured on CM5 chip via anti-human IgG Fc antibodies surface, can bind Human TNF-alpha Protein, His Tag (Cat. No. orb383503) with an affinity constant of 0.244 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

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