TNF-α (human), ELISA kit

Highly sensitive ELISA for measuring TNF-α, the primary mediator of immune regulation.

The TNF-α (human), EIA kit is a colorimetric immunometric enzyme immunoassay kit with results in 4 hours. Absorbance is read at 450 nm. Assay up to 39 samples in duplicate per 96-well plate. The broad dynamic range makes assaying different pathologies easy.

Tumor Necrosis Factor-α (TNF-α) is a 17.5kDa, 157 amino acid protein that is a potent lymphoid factor, which exerts cytotoxic effects on a wide range of tumor cells and other target cells. TNF-α has been suggested to play a pro-inflammatory role and has been detected in synovial fluid of patients with rheumatoid arthritis. It is the primary mediator of immune regulation. The biosynthesis of TNF-α is tightly controlled, being produced in extremely small quantities in quiescent cells, but is a major secreted factor in activated cells.

Citations: 19 View Online »

Ordering Information

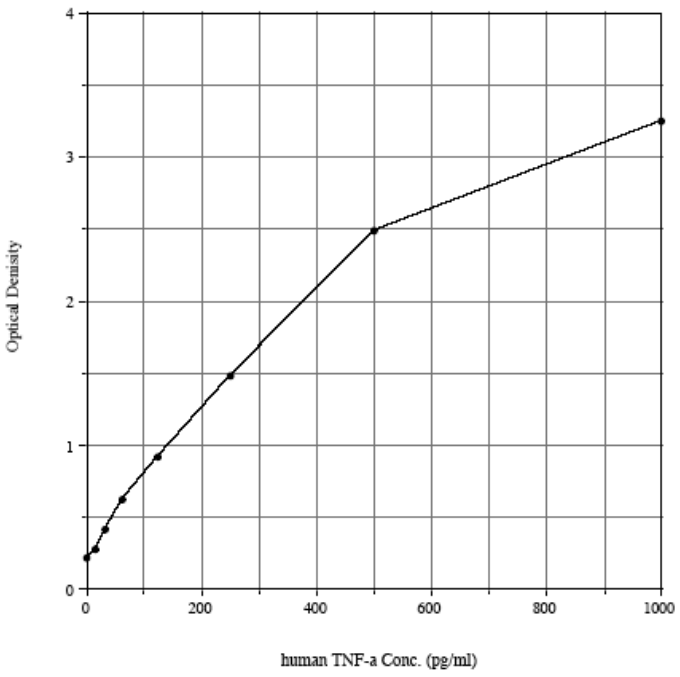
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ADI-900-099	96 wells

Manuals, SDS & CofA

View Online »

- Highly sensitive ELISA, measuring as little as 8.4 pg/ml
- High throughput format with results for up to 39 samples in duplicate in just 4 hours
- Stable liquid color coded reagents and pre-coated plates reduce errors
- Fully quantitative results that surpass semi-quantitative Western blot analysis


Optical Density
0
1
2
3
4
0
200
400
600
800
1000
human TNF-a Conc. (pg/ml)

Handling & Storage

Use/Stability	Store all components at +4°C, except standard at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Tumor necrosis factor-α, TNFSF 2
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of human TNF-α in culture supernatants, plasma, and serum.
Assay Time	4 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Conjugate, Antibody, Assay buffer 13, Wash buffer concentrate, Standard, TMB Substrate, Stop solution 2
Sensitivity	8.43 pg/ml (range 15.63 – 1,000 pg/ml)
Species Reactivity	Human
Technical Info / Product Notes	**Cited samples:** Cytokine ELISAs Cited Samples
UniProt ID	P01375
Wavelength	450 nm

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