

Human TNF-alpha ELISA Kit | TNF-alpha elisa kit

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CATALOG #
AAA258374

REACTIVITY
Human

PRODUCT SYNONYMS

TNF-alpha; Human TNF-alpha ELISA Kit; TNF-alpha ELISA Kit; Human; tumor necrosis factor; DIF ELISA Kit; TNFA ELISA Kit; TNFSF2 ELISA Kit; TNF-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human TNF-alpha concentration in cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Cell supernatant
Detection Range	28.13-1800pg/mL
Sensitivity	7.03pg/mL
Conjugation	HRP
Interference	Preparations of the following factors at 50ng/mL in a mid-range recombinant Human TNFa control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

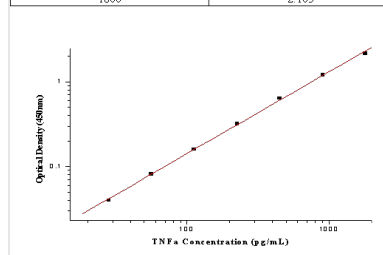
IMAGES

Recombinant human			
EGF	FGF acidic	FGF basic	IL1α
IL1β	IL2	IL3	IL4
IL5	IL6	IL6R	IL7
IL9	IL10	IL8	GMCSF
OSM	LIF		
Recombinant mouse			
EGF	IL1α	IL1β	IL6

Application Data

This assay recognizes both recombinant and natural Human TNFa. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Concentration (pg/mL)
0	0
28.13	0.040
56.25	0.081
112.5	0.159
225	0.319
450	0.641
900	1.205
1800	2.165



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for TNF-alpha elisa kit	This TNF-alpha ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human TNF-alpha protein in Cell supernatant. It contains recombinant Human TNF-alpha, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, is the prototypic cytokine of the TNF superfamily, and is a multifunctional molecule involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Two receptors, TNF-R1 (TNF receptor type 1; CD120a; p55/60) and TNF-R2 (TNF receptor type 2; CD120b; p75/80), bind to TNF-alpha. TNF-alpha protein is produced mainly by macrophages, and large amounts of this cytokine are released in response to lipopolysaccharide, other bacterial products, and Interleukin-1 (IL-1). TNF-alpha is involved in fighting against the tumorigenesis, thus, is regarded as a molecular insight in cancer treatment.
References	Hector J, et al. (2007) TNF-alpha alters visfatin and adiponectin levels in human fat. Horm Metab Res. 39(4): 250-5. Berthold-Losleben M, et al. (2008) The TNF-alpha System: Functional Aspects in Depression, Narcolepsy and Psychopharmacology. Curr Neuropharmacol. 6(3): 193-202.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/tnf-alpha/258374>