

Mouse TNFalpha ELISA Kit | TNFalpha elisa kit

TNFalpha Mouse ELISA Kit

CATALOG # AAA13515	REACTIVITY Mouse	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

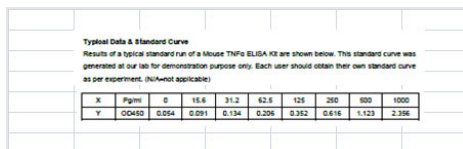
PRODUCT SYNONYMS

TNFalpha; TNFalpha Mouse ELISA Kit; Mouse TNFalpha; TNFalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Human Serum, Body Fluids, Tissue Lysates Or Cell Culture Supernatants
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml (Body fluids, tissue lysates or cell culture supernates) 7.8 pg/ml-500 pg/ml (Human serum)
Sensitivity	< 1 pg/ml
Applicable Applications for TNFalpha elisa kit	ELISA
Application Notes	For quantitative detection of TNF? in mouse serum, plasma, body fluids, tissue lysates or cell culture supernatants.
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFalpha elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TNFalpha polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TNFalpha polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TNFalpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TNFalpha can be calculated!!

Background/Introduction: Tumor necrosis factor, formerly known as tumor necrosis factor-alpha or TNF-alpha, is a cytokine involved in systemic inflammation and is a member of a group of cytokines that stimulate the acute phase reaction. It was originally identified in Human serum after injection with Mycobacterium bovis strain bacillus Calmette-Guerin (BCG) and endotoxin. TNF is primarily produced as a 212-amino acid-long type II transmembrane protein arranged in stable homotrimers. The human TNF gene maps to chromosome 6p21.3, spans about 3 kilobases and contains 4 exons. The primary role of TNF is in the regulation of immune cells. Dysregulation of TNF production has been implicated in a variety of human diseases, including Alzheimer's disease, cancer, major depression, and inflammatory bowel disease (IBD).

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tnfalpha/13515>