

Horse TNFa (Tumor Necrosis Factor Alpha) ELISA Kit | TNFa elisa kit

Horse TNFa (Tumor Necrosis Factor Alpha) ELISA Kit

CATALOG #
AAA27585

REACTIVITY
Horse

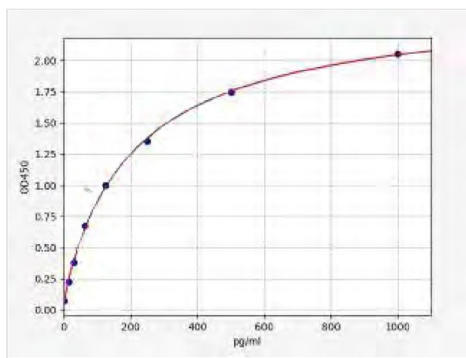
PRODUCT SYNONYMS

TNFa (Tumor Necrosis Factor Alpha); Horse TNFa (Tumor Necrosis Factor Alpha) ELISA Kit; TNFa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	Specifically recognize TNF-alpha, no obvious cross reaction with other analogues
Sequence Length	312
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFa elisa kit	Background: TNFalpha also known as Tumor Necrosis Factor alpha. It is mainly secreted by various immune cells, such as monocytes, macrophages, and T cells, and plays an important role as a regulatory factor in inflammation and immune responses. When the body is subjected to trauma, infection, tumors, and other damage, TNFalpha can stimulate inflammation and activation of immune cells, and participate in resisting external invasion. However, excessive or abnormal release of TNFalpha can also cause a series of diseases, such as rheumatoid arthritis, inflammatory bowel disease, autoimmune diseases, and others. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti TNF-alpha antibody was precoated onto the 96-well plate. The biotin conjugated anti TNF-alpha antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with TNF-alpha conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of TNF-alpha in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	189409065
NCBI GeneID	100169660
NCBI Accession #	NP_001121579.1
NCBI GenBank Nucleotide #	NM_001128107.1
NCBI Official Full Name	tumor necrosis factor alpha
NCBI Official Symbol	tnfa
NCBI Protein Information	tumor necrosis factor alpha

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://www.aaabiotech.com/horse-elisa-kits/tnfa-tumor-necrosis-factor-alpha/27585>