

Chicken Tumor Necrosis Factor beta ELISA Kit | TNFbeta elisa kit

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CATALOG #
AAA88951

REACTIVITY
Chicken

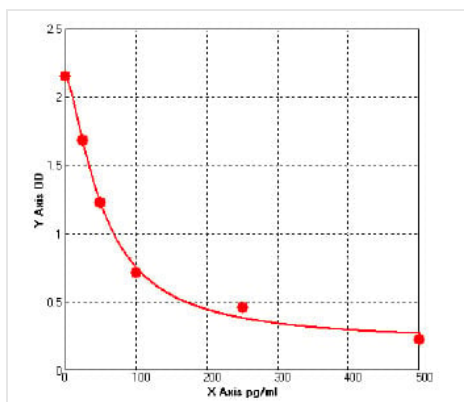
PRODUCT SYNONYMS

Tumor Necrosis Factor beta; Chicken Tumor Necrosis Factor beta ELISA Kit; Chicken Tumor Necrosis Factor b ELISA Kit; Lymphotoxin-alpha; TNFbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of TNF-beta. No significant cross-reactivity or interference between TNF-beta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TNF-beta and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFbeta elisa kit	Intended Uses: This TNF-beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken TNF-beta. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TNF-beta ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TNF-beta antibody and an TNF-beta-HRP conjugate. The assay sample and buffer are incubated together with TNF-beta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TNF-beta concentration since TNF-beta from samples and TNF-beta-HRP conjugate compete for the anti-TNF-beta antibody binding site. Since the number of sites is limited, as more sites are occupied by TNF-beta from the sample, fewer sites are left to bind TNF-beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNF-beta concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TNFbeta elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	54831
NCBI GeneID	16992
UniProt Accession #	P09225; Q3U0Q5; Q542S2
Molecular Weight	21,999 Da
NCBI Official Full Name	TNF-beta
NCBI Official Synonym Full Names	lymphotoxin A
NCBI Official Symbol	Lta
NCBI Official Synonym Symbols	LT; Ltx; Tnfb; LT[a]; LT-[a]; TNFSF1; hlb382; LTalpha; Tnfsf1b; LT-alpha; TNF-beta
NCBI Protein Information	lymphotoxin-alpha; TNF beta; lymphotoxin alpha; tumor necrosis factor ligand superfamily member 1
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	Lta
UniProt Synonym Gene Names	Tnfb; Tnfsf1; LT-alpha
UniProt Entry Name	TNFB_MOUSE

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.