

Canine Tumor Necrosis Factor beta ELISA Kit | TNFbeta elisa kit

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CATALOG #
AAA88226

REACTIVITY
Canine

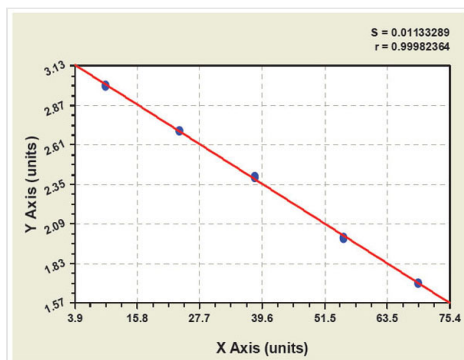
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TNF? ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TNF?. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFbeta elisa kit

Principle of the assay: TNF? ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TNF? antibody and an TNF?-HRP conjugate. The assay sample and buffer are incubated together with TNF?-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? concentration since TNF? from samples and TNF?-HRP conjugate compete for the anti-TNF? antibody binding site. Since the number of sites is limited, as more sites are occupied by TNF? from the sample, fewer sites are left to bind TNF?-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNF? concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54831
NCBI GeneID	16992
UniProt Accession #	P09225
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.