

Sheep Tumor Necrosis Factor alpha ELISA Kit | TNFalpha elisa kit

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CATALOG #
AAA16757

REACTIVITY
Sheep

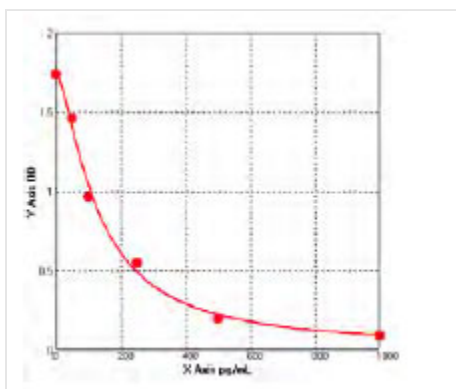
PRODUCT SYNONYMS

Tumor Necrosis Factor alpha; Sheep Tumor Necrosis Factor alpha ELISA Kit; Sheep Tumor Necrosis Factor a ELISA Kit; TNFalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of TNFalpha. No significant cross-reactivity or interference between TNFalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TNFalpha 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 or Sandwich
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 TNFalpha elisa kit	Intended Uses: This TNFalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TNFalpha. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TNFalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TNFalpha antibody and an TNFalpha-HRP conjugate. The assay sample and buffer are incubated together with TNFalpha-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 TNFalpha concentration since TNFalpha from samples and TNFalpha-HRP conjugate compete for the anti-TNFalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by TNFalpha from the sample, fewer sites are left to bind TNFalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNFalpha concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TNFalpha elisa kit	Cancer
References	Extracorporeal Gas Exchange and Spontaneous Breathing for the Treatment of ARDS . Langer T, Vecchi V, Belenkiy SM, Cannon JW, Chung KK, Cancio LC, Gattinoni L, Batchinsky AI. (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37210
NCBI GeneID	7124
UniProt Accession #	P01375; O43647; Q9P1Q2; Q9UIV3
Molecular Weight	25,644 Da
NCBI Official Full Name	TNF-alpha
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	DIF; TNFA; TNFSF2; TNF-alpha
NCBI Protein Information	tumor necrosis factor; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF
UniProt Synonym Gene Names	TNFA; TNFSF2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_HUMAN

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.