

Goat tumor necrosis factor (TNF superfamily, member 2) ELISA Kit | TNF elisa kit

Goat Tumor necrosis factor alpha, TNF-alpha ELISA Kit

CATALOG #
AAA80512

REACTIVITY
Goat

PRODUCT SYNONYMS

tumor necrosis factor (TNF superfamily; member 2); Goat Tumor necrosis factor alpha; TNF-alpha ELISA Kit; TNF-alpha ELISA KIT; DADB-70P7.1; DIF; TNF-alpha; TNFA; TNFSF2; APC1 protein; TNF superfamily; member 2; TNF; macrophage-derived; monocyte-derived; cachectin; tumor necrosis factor alpha; TNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of Goat TNF. No significant cross-reactivity or interference between Goat TNF and analogues was observed.
Sequence Length	234
Samples	Serum, plasma, tissue homogenates
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNF elisa kit	Introduction: Tumor necrosis factor (TNF, cachexin or cachectin and formally known as tumor necrosis factor-α) is a cytokine involved in systemic inflammation and is a member of a group of cytokines that stimulate the acute phase reaction. The primary role of TNF is in the regulation of immune cells. TNF is also able to induce apoptotic cell death, to induce inflammation, and to inhibit tumorigenesis and viral replication. Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases, as well as cancer. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TNF-α. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for TNF-α and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain TNF-α, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of TNF-α in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	556695474
NCBI GeneID	100861232
NCBI Accession #	NP_001273371.1
NCBI GenBank Nucleotide #	NM_001286442.1
UniProt Accession #	P13296; Q28320; Q9MYZ2
Molecular Weight	25,519 Da
NCBI Official Full Name	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	TNFA; TNF- α ; TNFSF2; Cachectin; TNF- α
NCBI Protein Information	tumor necrosis factor; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF
UniProt Synonym Gene Names	TNFA; TNFSF2; TNF- α ; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_CAPHI

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.