

Human Tumor Necrosis Factor Alpha (TNFa) CLIA Kit | TNFa clia kit

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CATALOG #
AAA141044

REACTIVITY
Human

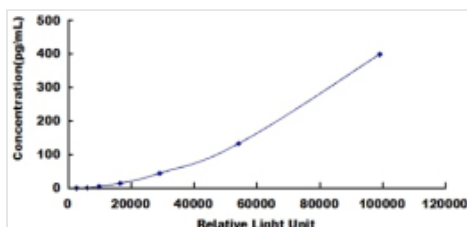
PRODUCT SYNONYMS

Tumor Necrosis Factor Alpha (TNFa); Human Tumor Necrosis Factor Alpha (TNFa) CLIA Kit; DIF; TNF-A; TNFSF2; Cachectin; Tumor Necrosis Factor Ligand Superfamily Member 2; TNFa clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tumor Necrosis Factor Alpha (TNFa). No significant cross-reactivity or interference between Tumor Necrosis Factor Alpha (TNFa) and analogues was observed.
Sequence Length	312
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.14-100pg/mL
Sensitivity	0.05pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Tumor Necrosis Factor Alpha (TNFa) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Tumor Necrosis Factor Alpha (TNFa) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFa clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Tumor Necrosis Factor Alpha (TNFa). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Tumor Necrosis Factor Alpha (TNFa). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Tumor Necrosis Factor Alpha (TNFa) level in the sample or standard.;
Product Categories/Family for TNFa clia kit	Cytokine; Tumor immunity; Infection immunity

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.

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Online datasheet: <https://www.aaabiotech.com/human-clia-kits/tumor-necrosis-factor-alpha-tnfa/141044>