

## TNF alpha elisa kit

Rat TNF alpha ELISA Kit

CATALOG #  
**AAA13471**

REACTIVITY  
**Rat. No cross reactivity with other rat cytokines**

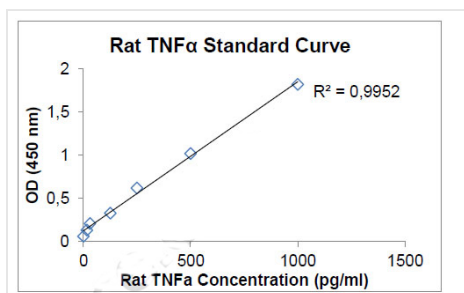
### PRODUCT SYNONYMS

TNF alpha; Rat TNF alpha ELISA Kit; TNF-α; TNF alpha elisa kit

### PRODUCT SPECIFICATIONS

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Reactivity      | Rat. No cross reactivity with other rat cytokines            |
| Sequence Length | 233                                                          |
| Samples         | Supernatants, buffered solutions or serum and plasma samples |
| Assay Type      | Quantitative Sandwich                                        |
| Sensitivity     | < 15 pg/ml                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TNF alpha elisa kit

**Intended Uses:** The Rat TNFalpha ELISA kit is a solid phase sandwich ELISA for the in-vitro qualitative and quantitative determination of Rat TNFalpha in supernatants, buffered solutions or serum and plasma samples. This assay will recognise both natural and recombinant Rat TNFalpha.

**Principle of the Assay:** A capture Antibody highly specific for Rat TNFalpha has been coated to the wells of the microtiter strip plate provided during manufacture. Binding of Rat TNFalpha samples and known standards to the capture antibodies and subsequent binding of the biotinylated anti-Rat TNFalpha secondary antibody to the analyte is completed during the same incubation period. Any excess unbound analyte and secondary antibody is removed. The HRP conjugate solution is then added to every well including the zero wells, following incubation excess conjugate is removed by careful washing. A chromogen substrate is added to the wells resulting in the progressive development of a blue coloured complex with the conjugate. The colour development is then stopped by the addition of acid turning the resultant final product yellow. The intensity of the produced coloured complex is directly proportional to the concentration of Rat TNFalpha present in the samples and standards. The absorbance of the colour complex is then measured and the generated OD values for each standard are plotted against expected concentration forming a standard curve. This standard curve can then be used to accurately determine the concentration of Rat TNFalpha in any sample tested.

#### Product Categories/Family for TNF alpha elisa kit

[Rat ELISA Kit](#)

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| References | Aragno M. et al., Endocrinology, 2005; 146(12):5561-7<br>Chen, G. et al., Ann. Clin. Lab. Sci.,2008; 38(1): 65-74. |
|------------|--------------------------------------------------------------------------------------------------------------------|

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                |
| UniProt Protein Name             | Tumor necrosis factor                |
| UniProt Gene Name                | <b>TNF</b>                           |
| 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.

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 Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/tnf-alpha/13471>