

## Fish Tumor Necrosis Factor alpha (TNF-alpha) ELISA Kit | TNF-alpha elisa kit

Fish Tumor Necrosis Factor alpha, TNF-alpha ELISA Kit

CATALOG #  
**AAA15605**

REACTIVITY  
**Fish**

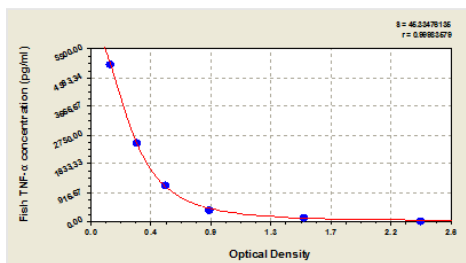
### PRODUCT SYNONYMS

Tumor Necrosis Factor alpha (TNF-alpha); Fish Tumor Necrosis Factor alpha; TNF-alpha ELISA Kit; Fish Tumor Necrosis Factor alpha (TNF-alpha) ELISA KIT; TNF-alpha elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Fish                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of fish TNF-alpha. No significant cross-reactivity or interference between fish TNF-alpha and analogues was observed. |
| Sequence Length         | 233                                                                                                                                                                                           |
| Assay Type              | Competitive                                                                                                                                                                                   |
| Samples                 | Serum, plasma                                                                                                                                                                                 |
| Detection Range         | 125 pg/ml-5000 pg/ml                                                                                                                                                                          |
| Sensitivity             | < 125pg/ml                                                                                                                                                                                    |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.                                             |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.                                                       |
| 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-alpha elisa kit | Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for TNF-alpha and Horseradish Peroxidase (HRP) conjugated TNF-alpha. The competitive inhibition reaction is launched between with HRP labeled TNF-alpha and unlabeled TNF-alpha with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of TNF-alpha in the sample. The color development is stopped and the intensity of the color is measured. |
| References                                          | <a href="#">Aeromonas hydrophila-induced alterations in cytosolic calcium activate pro-apoptotic cPKC-MEK1/2-TNF? axis in infected headkidney macrophages of Clarias gariepinus</a> . Asha Shelly, Chaitali Banerjee, Gunjan Kumar Saurav, Atish Ray, Vipin Singh Rana, Rajagopal Raman, Shibnath Mazumder (2017)                                                                                                                                                                                                                                                                                                                                                                                            |

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/fish-elisa-kits/tumor-necrosis-factor-alpha-tnf-alpha/15605>