# Human Tumor Necrosis Factor alpha-Induced Protein 3 (TNFAIP3) ELISA Kit | TNFAIP3 elisa kit

Human Tumor Necrosis Factor alpha-Induced Protein 3 (TNFAIP3) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA330453** | **Human** |

## PRODUCT SYNONYMS

Tumor Necrosis Factor alpha-Induced Protein 3 (TNFAIP3); Human Tumor Necrosis Factor alpha-Induced Protein 3 (TNFAIP3) ELISA Kit; TNFAIP3; A20; MGC104522; MGC138687; MGC138688; OTUD7C; TNFA1P2; tumor necrosis factor inducible protein A20; TNFAIP3 elisa kit

## PRODUCT SPECIFICATIONS

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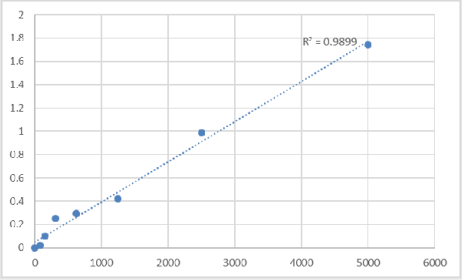
| **Reactivity** | Human |
| **Specificity** | Human Tumor necrosis factor alpha-induced protein 3 (TNFAIP3) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNFAIP3. No significant cross-reactivity or interference between Human TNFAIP3 and analogues was observed. |
| **Sequence Length** | 790 |
| **Assay Type** | Sandwich ELISA (Quantitative) |
| **Samples** | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids |
| **Detection Method** | Colorimetric |
| **Usage Notes** | * Do not mix components from different kit lots or use reagents beyond the kit expiration date.<br>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.<br>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.<br>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.<br>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.<br>* It is recommended that all samples and standards be assayed in duplicate or triplicate. |
| **Preparation and Storage** | Store at 2-8 degree C. |

## IMAGES




**Standard Curve (Sample)**
Fig.1. Human Tumor necrosis factor alpha-induced protein 3 (TNFAIP3) Standard Curve.

## ADDITIONAL INFORMATION

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| **Related Product Information for TNFAIP3 elisa kit** | Description: This Human Tumor necrosis factor alpha-induced protein 3 (TNFAIP3) ELISA Kit employs a two-site sandwich ELISA to quantitate TNFAIP3 in samples. An antibody specific for TNFAIP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNFAIP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFAIP3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNFAIP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.<br><br>Background: Tumor necrosis factor, alpha-induced protein 3 is a zinc finger protein, and has been shown to inhibit NF-kappa B activation as well as TNF-mediated apoptosis. Knockout studies of a similar gene in mice suggested that this gene is critical for limiting inflammation by terminating TNF-induced NF-kappa B responses. Essential component of a ubiquitin-editing protein complex, comprising also RNF11, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Upon TNF stimulation, deubiquitinates 'Lys-63'-polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteosomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 395393995 |
| **NCBI GeneID** | 7128 |
| **NCBI Accession #** | NP_001257436.1 |
| **NCBI GenBank Nucleotide #** | NP_001257436.1 |
| **UniProt Accession #** | P21580 |
| **NCBI Official Full Name** | tumor necrosis factor alpha-induced protein 3 |
| **NCBI Official Synonym Full Names** | TNF alpha induced protein 3 |
| **NCBI Official Symbol** | TNFAIP3 |
| **NCBI Official Synonym Symbols** | A20; AISBL; OTUD7C; TNFA1P2 |
| **NCBI Protein Information** | tumor necrosis factor alpha-induced protein 3 |
| **UniProt Protein Name** | Tumor necrosis factor alpha-induced protein 3 |
| **UniProt Gene Name** | **TNFAIP3** |
| **UniProt Synonym Gene Names** | OTUD7C; TNF alpha-induced protein 3 |
| **UniProt Entry Name** | TNAP3_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/human-elisa-kits/tumor-necrosis-factor-alpha-induced-protein-3-tnfaip3/330453