

## Human CD120a ELISA Kit | TNFRSF1A elisa kit

Human CD120a ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA105947</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

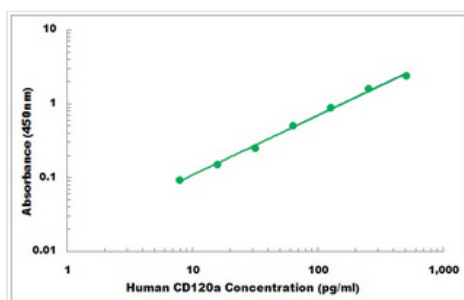
### PRODUCT SYNONYMS

CD120a; Human CD120a ELISA Kit; TNFAR; TNFR1; Tumor necrosis factor receptor superfamily member 1A; Tumor necrosis factor receptor 1; TNF-R1; Tumor necrosis factor receptor type I; TNF-RI; TNFR-I; p55; p60; TNFRSF1A elisa kit

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human                                                                                                                                                                                      |
| Specificity                                    | The Human CD120a ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD120a proteins within the range of 7.8 pg/ml - 500 pg/ml. |
| Sequence Length                                | 455                                                                                                                                                                                        |
| Samples                                        | Cell Culture Supernatants, Serum, Plasma, Urine                                                                                                                                            |
| Sensitivity                                    | The minimum detectable dose of Human CD120a is typically less than 1 pg/ml.                                                                                                                |
| Applicable Applications for TNFRSF1A elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                     |
| Preparation and Storage                        | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TNFRSF1A elisa kit | <p>Principle of the assay: The Human CD120a ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD120a in Cell Culture Supernatants, Serum, Plasma, Urine. This assay employs an antibody specific for Human CD120a coated on a 96-well plate. Standards and samples are pipetted into the wells and CD120a present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD120a antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD120a bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: TNFR1 (also known as Soluble tumor necrosis factor receptor 1) is a cytokine receptor that binds tumor necrosis factors (TNF). In contrast, the p60 (TNFRSF1A) and p80 (TNFRSF1B) TNFA receptors self-assemble through a distinct functional domain in the TNFR extracellular domain, termed the pre-ligand assembly domain (PLAD), in the absence of ligand. Deletion of the PLAD results in monomeric presentation of p60 or p80. Flow cytometric analysis showed that efficient TNFA binding depends on receptor self-assembly. They also found that other members of the TNF receptor superfamily, including the extracellular domains of TRAIL (TNFRSF10A), CD40, and FAS (TNFRSF6), all self-associate but do not interact with heterologous receptors. By Southern blot analysis of human/Chinese hamster somatic cell hybrid DNA, the TNFR1 gene was mapped to 12pter-cen. And by nonradioactive in situ hybridization that the type 1 receptor (the p55 TNF receptor) is encoded by a gene located on chromosome 12p13.2.</p> |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507575                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 7132                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001056.1                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001065.3                                                                                                                                                                                                                                        |
| UniProt Accession #              | P19438; Q9UCA4; A8K4X3; B2RDE4; B3KPQ1; B4DQB7; B4E309; B5M0B5; D3DUR1                                                                                                                                                                             |
| Molecular Weight                 | 24,194 Da                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 1A                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | tumor necrosis factor receptor superfamily, member 1A                                                                                                                                                                                              |
| NCBI Official Symbol             | TNFRSF1A                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | FPF; MS5; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55; TNFR1-d2                                                                                                                                           |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 1A; TNF-R1; TNF-RI; TNFR-I; tumor necrosis factor-alpha receptor; tumor necrosis factor receptor type 1; tumor necrosis factor binding protein 1; tumor necrosis factor receptor 1A isoform beta |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 1A                                                                                                                                                                                               |
| UniProt Gene Name                | TNFRSF1A                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | TNFAR; TNFR1; TNF-R1; TNF-RI; TNFR-I; TBPI                                                                                                                                                                                                         |
| UniProt Entry Name               | TNR1A_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.