

## Human Inhibitor k Binding ELISA Kit | IKBA elisa kit

Human Inhibitor k Binding ELISA Kit

CATALOG #  
AAA85158

REACTIVITY  
Human

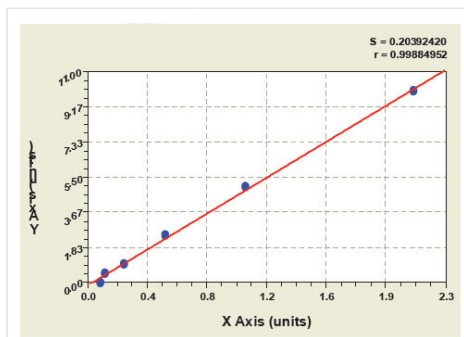
### PRODUCT SYNONYMS

Inhibitor k Binding; Human Inhibitor k Binding ELISA Kit; IKBA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive or Sandwich                                                                                                                                                                |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                           |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                               |
| Intended Uses           | This IKBA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IKBA. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IKBA elisa kit

**Principle of the Assay:** IKBA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for IKBA. Standards or samples are then added to the microtiter plate wells and IKBA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IKBA present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for IKBA are added to each well to "sandwich" the IKBA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IKBA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IKBA concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6706211                                                                                                                                                                                |
| NCBI GeneID                      | 4792                                                                                                                                                                                   |
| UniProt Accession #              | P25963; B2R8L6                                                                                                                                                                         |
| Molecular Weight                 | 35,609 Da                                                                                                                                                                              |
| NCBI Official Full Name          | IkBα                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha                                                                                                    |
| NCBI Official Symbol             | NFKBIA                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | IKBA; MAD-3; NFKBI                                                                                                                                                                     |
| NCBI Protein Information         | NF-kappa-B inhibitor alpha; iκB-α; IkappaBα; I-kappa-B-α; nuclear factor of kappa light chain gene enhancer in B-cells; major histocompatibility complex enhancer-binding protein MAD3 |
| UniProt Protein Name             | NF-kappa-B inhibitor alpha                                                                                                                                                             |
| UniProt Gene Name                | <b>NFKBIA</b>                                                                                                                                                                          |
| UniProt Synonym Gene Names       | IKBA; MAD3; NFKBI; IκB-α; IkappaBα                                                                                                                                                     |
| UniProt Entry Name               | IKBA_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://stage.aaabiotech.com/ikba-human-elisa-kits/inhibitor-k-binding/85158>