

## Chicken Inhibitor of KB Kinase Beta ELISA Kit | IKKbeta elisa kit

Chicken Inhibitor of KB Kinase Beta ELISA Kit

CATALOG #  
**AAA88445**

REACTIVITY  
**Chicken**

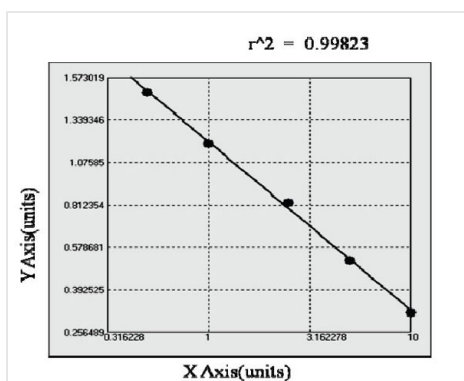
### PRODUCT SYNONYMS

Inhibitor of KB Kinase Beta; Chicken Inhibitor of KB Kinase Beta ELISA Kit; IKKbeta elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IKKbeta elisa kit

**Intended Uses:** This IKKbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IKKbeta. This ELISA kit for research use only!

**Principle of the Assay:** IKKbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IKKbeta antibody and an IKKbeta-HRP conjugate. The assay sample and buffer are incubated together with IKKbeta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IKKbeta concentration since IKKbeta from samples and IKKbeta-HRP conjugate compete for the anti-IKKbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by IKKbeta from the sample, fewer sites are left to bind IKKbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IKKbeta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 229576825                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 16150                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001153246.1                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001159774.1                                                                                                                                                                                                                                  |
| UniProt Accession #              | O88351; Q9R1J6                                                                                                                                                                                                                                  |
| Molecular Weight                 | 86,690 Da                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | inhibitor of nuclear factor kappa-B kinase subunit beta isoform 1                                                                                                                                                                               |
| NCBI Official Synonym Full Names | inhibitor of kappaB kinase beta                                                                                                                                                                                                                 |
| NCBI Official Symbol             | Ikbkb                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | IKK2; IKK-2; IKK[b]; IKKbeta; AI132552; IKK-beta                                                                                                                                                                                                |
| NCBI Protein Information         | inhibitor of nuclear factor kappa-B kinase subunit beta; IKK-B; NFKBIKB; I-kappa-B kinase 2; I-kappa-B-kinase beta; nuclear factor NF-kappa-B inhibitor kinase beta; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta |
| UniProt Protein Name             | Inhibitor of nuclear factor kappa-B kinase subunit beta                                                                                                                                                                                         |
| UniProt Gene Name                | Ikbkb                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | Ikkb; I-kappa-B-kinase beta; IKK-B; IKK-beta; IkBKB; IKK2; NFKBIKB                                                                                                                                                                              |
| UniProt Entry Name               | IKKB_MOUSE                                                                                                                                                                                                                                      |

**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.