

## Porcine Defensin Beta 2 ELISA Kit | DEFbeta2 elisa kit

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CATALOG #  
**AAA92426**

REACTIVITY  
**Porcine**

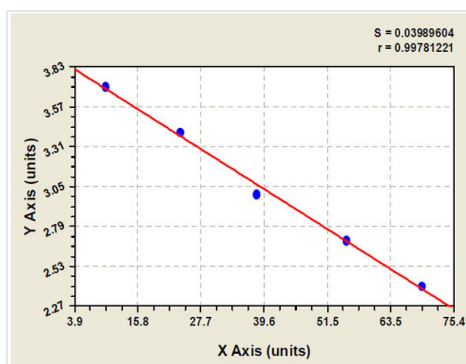
### PRODUCT SYNONYMS

Defensin Beta 2; Porcine Defensin Beta 2 ELISA Kit; DEFbeta2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                 |
| Detection Range         | 250-5000pg/mL                                                                                                                                                                              |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                   |
| Intended Uses           | This DEFb2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine DEFb2. 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 DEFbeta2 elisa kit

**Principle of the Assay:** DEFb2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DEFb2 antibody and an DEFb2-HRP conjugate. The assay sample and buffer are incubated together with DEFb2-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 DEFb2 concentration since DEFb2 from samples and DEFb2-HRP conjugate compete for the anti-DEFb2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFb2 from the sample, fewer sites are left to bind DEFb2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFb2 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for DEFbeta2 elisa kit

Microbiology

NCBI AND UNIPROT INFORMATION

|                                  |                 |
|----------------------------------|-----------------|
| NCBI GI #                        | 80478968        |
| NCBI GeneID                      | 13215           |
| Molecular Weight                 | 7,820 Da        |
| NCBI Official Full Name          | Defensin beta 2 |
| NCBI Official Synonym Full Names | defensin beta 2 |
| NCBI Official Symbol             | Defb2           |
| NCBI Official Synonym Symbols    | BD-2            |
| NCBI Protein Information         | beta-defensin 2 |
| UniProt Protein Name             | Beta-defensin 2 |
| UniProt Gene Name                | <b>Defb2</b>    |
| UniProt Synonym Gene Names       | BD-2; mBD-2     |
| UniProt Entry Name               | DEFB2_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.

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Online datasheet: <https://stage.aaabiotech.com/defbeta2-porcine-elisa-kits/defensin-beta-2/92426>