

## Human beta Defensin 3 ELISA Kit | DEFb3 elisa kit

Human beta Defensin 3 ELISA Kit

CATALOG #  
**AAA16559**

REACTIVITY  
**Human**

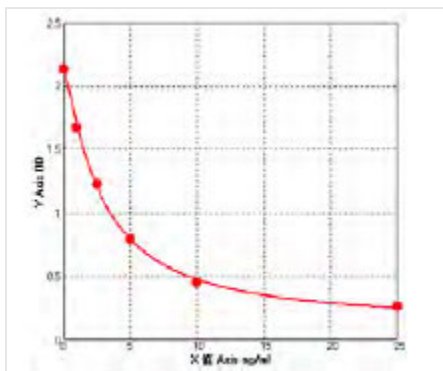
### PRODUCT SYNONYMS

beta Defensin 3; Human beta Defensin 3 ELISA Kit; Human b Defensin 3 ELISA Kit; DEFb3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of BDEF3. No significant cross-reactivity or interference between BDEF3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BDEF3 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Quantitative 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 DEFb3 elisa kit | <p>Intended Uses: This BDEF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BDEF3. This ELISA kit for research use only!</p> <p>Principle of the Assay: BDEF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BDEF3 antibody and an BDEF3-HRP conjugate. The assay sample and buffer are incubated together with BDEF3-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 BDEF3 concentration since BDEF3 from samples and BDEF3-HRP conjugate compete for the anti-BDEF3 antibody binding site. Since the number of sites is limited, as more sites are occupied by BDEF3 from the sample, fewer sites are left to bind BDEF3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BDEF3 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for DEFb3 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                            |             |
|----------------------------|-------------|
| NCBI GI #                  | 209572853   |
| Molecular Weight           | 7,408 Da    |
| NCBI Official Full Name    | Defensin-B3 |
| UniProt Protein Name       | Defensin-B3 |
| UniProt Gene Name          | DefB3       |
| UniProt Synonym Gene Names | OaDefB3     |
| UniProt Entry Name         | DEFB3_ORNAN |

**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/defb3-human-elisa-kits/beta-defensin-3/16559>