

## Bovine Interferon lambda-3 ELISA Kit | IFNL3/IL28B elisa kit

Bovine Interferon lambda-3 ELISA Kit

CATALOG #  
**AAA27449**

REACTIVITY  
**Bovine**

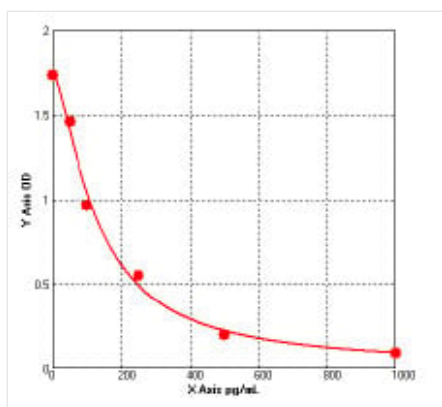
### PRODUCT SYNONYMS

Interferon lambda-3; Bovine Interferon lambda-3 ELISA Kit; IFNL3/IL28B elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IFNlambda3. No significant cross-reactivity or interference between IFNlambda3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IFNlambda3 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Sequence Length         | 196                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Store at 2-8 degree C.<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.                                                                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IFNL3/IL28B elisa kit | <p>Principle of the Assay: IFNlambda3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IFNlambda3 antibody and an IFNlambda3-HRP conjugate. The assay sample and buffer are incubated together with IFNlambda3-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 IFNlambda3 concentration since IFNlambda3 from samples and IFNlambda3-HRP conjugate compete for the anti-IFNlambda3 antibody binding site. Since the number of sites is limited, as more sites are occupied by IFNlambda3 from the sample, fewer sites are left to bind IFNlambda3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFNlambda3 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This IFNlambda3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine IFNlambda3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for IFNL3/IL28B elisa kit   | Signal Transduction; Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 28144901                                                 |
| NCBI GeneID                      | 282617                                                   |
| NCBI Accession #                 | NP_742151.2                                              |
| NCBI GenBank Nucleotide #        | NM_172139.3                                              |
| UniProt Accession #              | Q8IZI9; Q6VN56; Q7Z4J3; Q8IWL6; A2BDE1                   |
| Molecular Weight                 | 21,706 Da                                                |
| NCBI Official Full Name          | interferon lambda-3 isoform 2                            |
| NCBI Official Synonym Full Names | interferon lambda 3                                      |
| NCBI Official Symbol             | IFNL3                                                    |
| NCBI Official Synonym Symbols    | IL28B; IL28C; IL-28B; IL-28C; IFN-lambda-3; IFN-lambda-4 |
| NCBI Protein Information         | interferon lambda-3                                      |
| UniProt Protein Name             | Interferon lambda-3                                      |
| UniProt Gene Name                | IFNL3                                                    |
| UniProt Synonym Gene Names       | IL28B; IL28C; ZCYTO22; IFN-lambda-3; IL-28B; IL-28C      |

**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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