

## Bovine pentraxin-related gene, rapidly induced by IL-1 beta ELISA Kit | PTX3 elisa kit

Bovine Pentraxin-related protein PTX3, PTX3 ELISA Kit

CATALOG #  
**AAA112647**

REACTIVITY  
**Bovine**

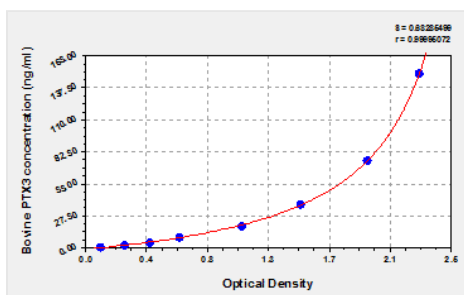
### PRODUCT SYNONYMS

pentraxin-related gene; rapidly induced by IL-1 beta; Bovine Pentraxin-related protein PTX3; PTX3 ELISA Kit; Bovine Pentraxin-related protein PTX3 (PTX3) ELISA kit; TNFAIP5; TSG-14; pentaxin-related gene; tumor necrosis factor; alpha-induced protein 5; pentaxin-related protein PTX3; pentraxin 3; pentraxin-3; alph; PTX3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of bovine PTX3. No significant cross-reactivity or interference between bovine PTX3 and analogues was observed.                                                                                                                                                                      |
| Sequence Length         | 382                                                                                                                                                                                                                                                                                                                                                          |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates.                                                                                                                                                                                                                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                     |
| Detection Range         | 2.344 ng/ml -150 ng/ml.                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | The minimum detectable dose of bovine PTX3 is typically less than 0.586 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                                                                                                                                                             |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                                                                                                                                                                                      |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PTX3 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PTX3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTX3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTX3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTX3 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115495701                                                                                                           |
| NCBI GeneID                      | 541148                                                                                                              |
| NCBI Accession #                 | NP_001069727.1                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_001076259.2                                                                                                      |
| UniProt Accession #              | Q0VCG9                                                                                                              |
| Molecular Weight                 | 42,021 Da                                                                                                           |
| NCBI Official Full Name          | pentraxin-related protein PTX3                                                                                      |
| NCBI Official Synonym Full Names | pentraxin 3, long                                                                                                   |
| NCBI Official Symbol             | PTX3                                                                                                                |
| NCBI Protein Information         | pentraxin-related protein PTX3; pentaxin-related protein PTX3; pentraxin-related gene, rapidly induced by IL-1 beta |
| UniProt Protein Name             | Pentraxin-related protein PTX3                                                                                      |
| UniProt Gene Name                | PTX3                                                                                                                |
| UniProt Entry Name               | PTX3_BOVIN                                                                                                          |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/ptx3-bovine-ovine-elisa-kits/pentraxin-related-gene-rapidly-induced-by-il-1-beta/112647>