



# Bovine Pentraxin-related protein PTX3(PTX3) ELISA kit

|                             |  |
|-----------------------------|--|
| <b>Product Code</b>         | CSB-EL019079BO   |
| <b>Abbreviation</b>         | PTX3   |
| <b>Target Name</b>          | pentraxin-related gene, rapidly induced by IL-1 beta   |
| <b>Uniprot No.</b>          | Q0VCG9   |
| <b>Alias</b>                | TNFAIP5, TSG-14, pentaxin-related gene, rapidly induced by IL-1 beta, tumor necrosis factor, alpha-induced protein 5 pentaxin-related protein PTX3 pentraxin 3 pentraxin-3 tumor necrosis factor, alph   |
| <b>Product Type</b>         | ELISA Kit  |
| <b>Immunogen Species</b>    | Bos taurus (Bovine)  |
| <b>Sample Types</b>         | serum, plasma, cell culture supernates, tissue homogenates   |
| <b>Detection Range</b>      | 2.344 ng/mL-150 ng/mL  |
| <b>Sensitivity</b>          | 0.586 ng/mL  |
| <b>Assay Time</b>           | 1-5h   |
| <b>Sample Volume</b>        | 50-100ul   |
| <b>Detection Wavelength</b> | 450 nm   |
| <b>Lead Time</b>            | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.   |
| <b>Research Area</b>        | Cardiovascular   |
| <b>Gene Names</b>           | PTX3   |
| <b>Tag Info</b>             | quantitative   |
| <b>Protein Description</b>  | Sandwich   |
| <b>Product Precision</b>    | <p>Intra-assay Precision (Precision within an assay): CV%&lt;8%<br/>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%<br/>Three samples of known concentration were tested in twenty assays to assess.</p> |
| <b>Linearity</b>            | To assess the linearity of the assay, samples were spiked with high concentrations of bovine PTX3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.  |



|     | Sample    | Serum(n=4) |
|-----|-----------|------------|
| 1:1 | Average % | 87         |
|     | Range %   | 81-93      |
| 1:2 | Average % | 98         |
|     | Range %   | 95-102     |
| 1:4 | Average % | 92         |
|     | Range %   | 85-96      |
| 1:8 | Average % | 103        |
|     | Range %   | 98-107     |

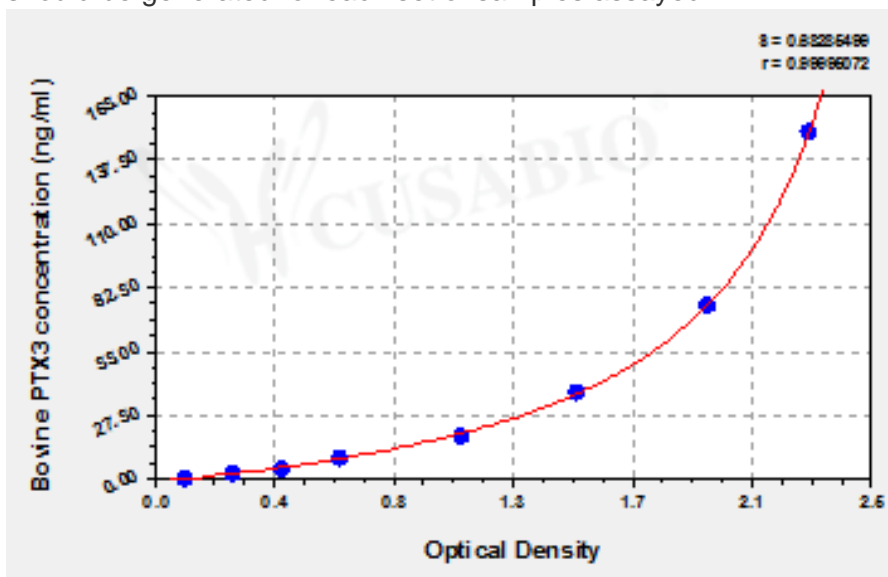
## Recovery

The recovery of bovine PTX3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

| Sample Type       | Average % Recovery | Range  |
|-------------------|--------------------|--------|
| Serum (n=5)       | 92                 | 89-96  |
| EDTA plasma (n=4) | 103                | 98-106 |

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



| ng/ml | OD1   | OD2   | Average | Corrected |
|-------|-------|-------|---------|-----------|
| 150   | 2.237 | 2.312 | 2.275   | 2.160     |
| 75    | 1.893 | 1.954 | 1.924   | 1.809     |
| 37.5  | 1.452 | 1.487 | 1.470   | 1.355     |
| 18.75 | 1.064 | 1.072 | 1.068   | 0.953     |
| 9.375 | 0.643 | 0.655 | 0.649   | 0.534     |
| 4.688 | 0.443 | 0.452 | 0.448   | 0.333     |
| 2.344 | 0.272 | 0.278 | 0.275   | 0.160     |
| 0     | 0.114 | 0.115 | 0.115   |           |

## Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL019079BO.pdf","filename":"MSDS"}}