



# Pig calprotectin (CALP) ELISA kit

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|--------|------------|-------|-----------|----|---------|--------|-------|-----------|----|---------|-------|
| <b>Product Code</b>         | CSB-EQ013485PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Abbreviation</b>         | CALP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Target Name</b>          | Calprotectin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Product Type</b>         | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Immunogen Species</b>    | Sus scrofa (Pig)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Sample Types</b>         | serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Detection Range</b>      | 0.312 ng/mL-20 ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Sensitivity</b>          | 0.078 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>        | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Tag Info</b>             | quantitative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Protein Description</b>  | Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Description</b>          | <p>This Pig CALP ELISA Kit was designed for the quantitative measurement of Pig CALP protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.</p>                                                                                                                                                                                                                                                                              |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Product Precision</b>    | <p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b><br/> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b><br/> Three samples of known concentration were tested in twenty assays to assess.</p>                                                                                                                                                                                                 |            |   |        |            |       |           |    |         |        |       |           |    |         |       |
| <b>Linearity</b>            | <p>To assess the linearity of the assay, samples were spiked with high concentrations of pig CALP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table> <tr> <td>?</td><td>Sample</td><td>Serum(n=4)</td></tr> <tr> <td rowspan="2">1:100</td><td>Average %</td><td>96</td></tr> <tr> <td>Range %</td><td>91-102</td></tr> <tr> <td rowspan="2">1:200</td><td>Average %</td><td>85</td></tr> <tr> <td>Range %</td><td>81-89</td></tr> </table> |            | ? | Sample | Serum(n=4) | 1:100 | Average % | 96 | Range % | 91-102 | 1:200 | Average % | 85 | Range % | 81-89 |
| ?                           | Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Serum(n=4) |   |        |            |       |           |    |         |        |       |           |    |         |       |
| 1:100                       | Average %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 96         |   |        |            |       |           |    |         |        |       |           |    |         |       |
|                             | Range %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 91-102     |   |        |            |       |           |    |         |        |       |           |    |         |       |
| 1:200                       | Average %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 85         |   |        |            |       |           |    |         |        |       |           |    |         |       |
|                             | Range %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 81-89      |   |        |            |       |           |    |         |        |       |           |    |         |       |



|       |           |        |
|-------|-----------|--------|
| 1:400 | Average % | 103    |
|       | Range %   | 98-107 |
| 1:800 | Average % | 87     |
|       | Range %   | 83-92  |

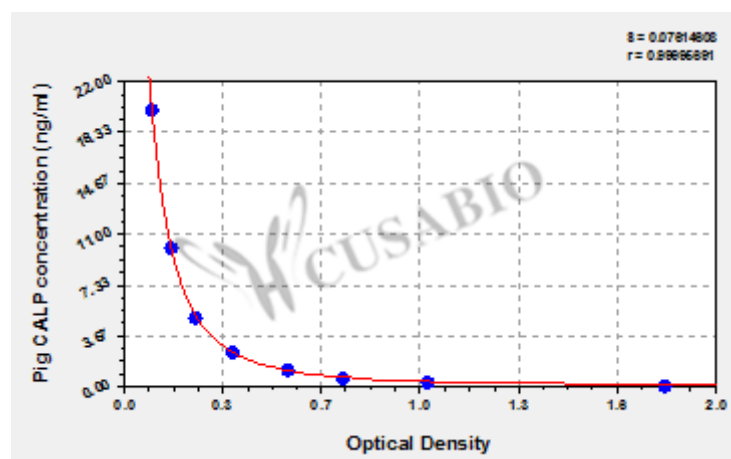
## Recovery

The recovery of pig CALP 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)       | 94                 | 88-97   |
| EDTA plasma (n=4) | 106                | 102-108 |

## 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 |
|-------|-------|-------|---------|
| 20    | 0.099 | 0.101 | 0.100   |
| 10    | 0.160 | 0.168 | 0.164   |
| 5     | 0.241 | 0.255 | 0.248   |
| 2.5   | 0.365 | 0.373 | 0.369   |
| 1.25  | 0.544 | 0.556 | 0.550   |
| 0.625 | 0.713 | 0.755 | 0.734   |
| 0.312 | 0.984 | 1.044 | 1.014   |
| 0     | 1.765 | 1.834 | 1.800   |