

## Porcine IL-8 Antibody Pair Set

|                    |                                                                                  |                     |       |
|--------------------|----------------------------------------------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-KAB-0619                                                                       | <b>Applications</b> | ELISA |
| <b>Synonyms</b>    | IL8;CXCL8;GCP-1;GCP1;LECT;LUCT;LYNAP;MDNCF;MONAP;NAF;NAP-1;NAP1;3-10C;AMCF-I;K60 |                     |       |

### Kit components & Storage

| Title                                    | Specifications | Storage                                               |
|------------------------------------------|----------------|-------------------------------------------------------|
| Porcine IL-8 Capture Antibody            | 1 vial, 100 µg | Store at -20℃ for one year. Avoid freeze/thaw cycles. |
| Porcine IL-8 Detection Antibody (Biotin) | 1 vial, 50 µL  | Store at -20℃ for one year. Avoid freeze/thaw cycles. |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

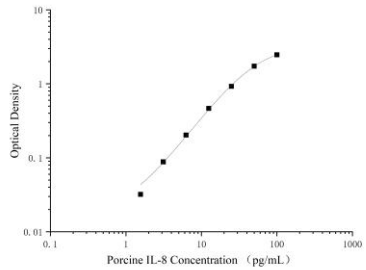
### Product Information

| Items                 |               | Characteristic (E-KAB-0619)                      |                                                                         |
|-----------------------|---------------|--------------------------------------------------|-------------------------------------------------------------------------|
|                       |               | Porcine IL-8 Capture Antibody                    | Porcine IL-8 Detection Antibody (Biotin)                                |
| Immunogen Information | Immunogen     | Recombinant Porcine IL-8 protien                 | Recombinant Porcine IL-8 protien                                        |
|                       | Swissprot     | CAA43461                                         |                                                                         |
| Product details       | Reactivity    | Porcine                                          | Porcine                                                                 |
|                       | Host          | Mouse                                            | Goat                                                                    |
|                       | Conjugation   | Unconjugated                                     | Biotin                                                                  |
|                       | Concentration | 0.5 mg/mL                                        | /                                                                       |
|                       | Buffer        | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
|                       | Purify        | Protein A or G                                   | Antigen Affinity                                                        |
|                       | Specificity   | Detects Porcine IL-8 in ELISAs.                  |                                                                         |

### For Research Use Only

## Applications

### Porcine IL-8 Sandwich ELISA Assay

|                 | Recommended Concentration/Dilution | Reagent                                  | Images                                                                             |
|-----------------|------------------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| ELISA Capture   | 0.5-4 µg/mL                        | Porcine IL-8 Capture Antibody            |  |
| ELISA Detection | 1:1000-1:10000                     | Porcine IL-8 Detection Antibody (Biotin) |                                                                                    |

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

IL-8 is a chemotactic factor that attracts neutrophils , basophils , and T-cells , but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8 (6-77) has a 5-10-fold higher activity on neutrophil activation , IL-8 (5-77) has increased activity on neutrophil activation and IL-8 (7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8 (1-77) , respectively.

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