

## Human GP39 Antibody Pair Set

|                    |   |                     |       |
|--------------------|---|---------------------|-------|
| <b>Catalog No.</b> | E-KAB-0419                              | <b>Applications</b> | ELISA |
| <b>Synonyms</b>    | ASRT7;CGP-39;CHI3L1;HC-gp39;YKL-4;YYL-4 |                     |       |

### Kit components & Storage

| Title                                  | Specifications | Storage   |
|--|----------------|---|
| Human GP39 Capture Antibody            | 1 vial, 100 µg | Store at -20℃ for one year. Avoid freeze/thaw cycles. |
| Human GP39 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.

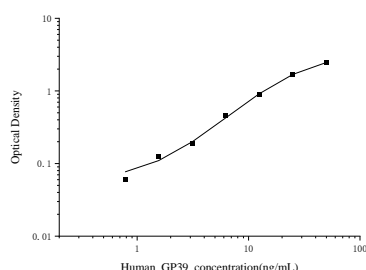
### Product Information

| Items                 |               | Characteristic (E-KAB-0419)                      |   |
|-----------------------|---------------|--|---|
|                       |               | Human GP39 Capture Antibody                      | Human GP39 Detection Antibody (Biotin)                                  |
| Immunogen Information | Immunogen     | Recombinant Human GP39 protien                   | Recombinant Human GP39 protien  |
|                       | Swissprot     | NP_001267.2                                      |   |
| Product details       | Reactivity    | Human  | Human   |
|                       | Host          | Rabbit   | Rabbit  |
|                       | 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        | Antigen Affinity                                 | Antigen Affinity  |
|                       | Specificity   | Detects Human GP39 in ELISAs.                    |   |

### For Research Use Only

## Applications

### Human GP39 Sandwich ELISA Assay

|                 | Recommended Concentration/Dilution | Reagent                                | Images  |
|-----------------|------------------------------------|--|---|
| ELISA Capture   | 0.5-4 µg/mL                        | Human GP39 Capture Antibody            |  |
| ELISA Detection | 1:1000-1:10000                     | Human GP39 Detection Antibody (Biotin) |   |

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

## Background

Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling.

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