

## Mouse IL-16 Antibody Pair Set

**Catalog No.** E-KAB-0578**Applications**

ELISA

**Synonyms** IL16;LCF;NIL16;PRIL16;prIL-16

### Kit components & Storage

| Title                                   | Specifications | Storage                                                  |
|-----------------------------------------|----------------|----------------------------------------------------------|
| Mouse IL-16 Capture Antibody            | 1 vial, 100 µg | Store at -20℃ for one year.<br>Avoid freeze/thaw cycles. |
| Mouse IL-16 Detection Antibody (Biotin) | 1 vial, 50 µL  | Store at -20℃ for one year.<br>Avoid freeze/thaw cycles. |

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

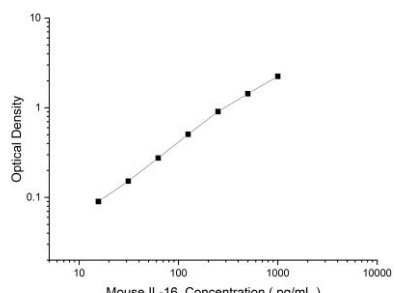
### Product Information

| Items                 |               | Characteristic (E-KAB-0578)                      |                                                                         |
|-----------------------|---------------|--------------------------------------------------|-------------------------------------------------------------------------|
|                       |               | Mouse IL-16 Capture Antibody                     | Mouse IL-16 Detection Antibody (Biotin)                                 |
| Immunogen Information | Immunogen     | Recombinant Mouse IL-16 protien                  | Recombinant Mouse IL-16 protien                                         |
|                       | Swissprot     | O54824                                           |                                                                         |
| Product details       | Reactivity    | Mouse                                            | Mouse                                                                   |
|                       | 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        | Protein A or G                                   | Protein A or G                                                          |
|                       | Specificity   | Detects Mouse IL-16 in ELISAs.                   |                                                                         |

### For Research Use Only

## Applications

Mouse IL-16 Sandwich ELISA Assay:

|                                   | Recommended Concentration/Dilution | Reagent                                 | Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
|-----------------------------------|------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| ELISA Capture                     | 0.5-4 µg/mL                        | Mouse IL-16 Capture Antibody            |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse IL-16 Concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.1</td></tr><tr><td>20</td><td>0.2</td></tr><tr><td>50</td><td>0.4</td></tr><tr><td>100</td><td>0.6</td></tr><tr><td>200</td><td>0.8</td></tr><tr><td>500</td><td>1.2</td></tr><tr><td>1000</td><td>1.5</td></tr></tbody></table> | Mouse IL-16 Concentration (pg/mL) | Optical Density | 10 | 0.1 | 20 | 0.2 | 50 | 0.4 | 100 | 0.6 | 200 | 0.8 | 500 | 1.2 | 1000 | 1.5 |
| Mouse IL-16 Concentration (pg/mL) | Optical Density                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 10                                | 0.1                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 20                                | 0.2                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 50                                | 0.4                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 100                               | 0.6                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 200                               | 0.8                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 500                               | 1.2                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| 1000                              | 1.5                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |
| ELISA Detection                   | 1:1000-1:10000                     | Mouse IL-16 Detection Antibody (Biotin) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                 |    |     |    |     |    |     |     |     |     |     |     |     |      |     |

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

## Background

Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.