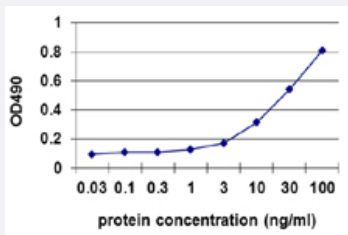


# FCER1A (Human) Matched Antibody Pair

Catalog # H00002205-AP61

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.

## Specification

|                                |                                                                                                                                                                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human FCER1A.                                                                                                                                                                                    |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                  |
| <b>Quality Control Testing</b> | Standard curve using recombinant protein ( H00002205-P01 ) as an analyte.<br>Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.                                                                                                                                                   |
| <b>Supplied Product</b>        | Antibody pair set content:<br>1. Capture antibody: mouse monoclonal anti-FCER1A, IgG1 Kappa (100 ug)<br>2. Detection antibody: rabbit MaxPab® affinity purified polyclonal anti-FCER1A, Non isotype (50 ug)<br>*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols. |
| <b>Storage Instruction</b>     | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.                                                                                                                     |

## Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

## Gene Info — FCER1A

Entrez GeneID [2205](#)

Gene Name FCER1A

Gene Alias FCE1A, FcERI

Gene Description Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide

Omim ID [147140](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The IgE receptor plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma. The allergic response occurs when 2 or more high-affinity IgE receptors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. A perturbation occurs that brings about the release of histamine and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes--potential effectors of the hypersensitivity response. The IgE receptor consists of 3 subunits: alpha, beta (MIM 147138), and gamma (MIM 147139); only the alpha subunit is glycosylated.[supplied by OMIM]

**Other Designations**

Fc IgE receptor, alpha polypeptide|Fc epsilon RI alpha-chain|Fc-epsilon RI-alpha|high affinity immunoglobulin epsilon receptor alpha-subunit|immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

## Pathway

- [Asthma](#)
- [Fc epsilon RI signaling pathway](#)

## Disease

- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)

- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)
- [Drug Hypersensitivity](#)
- [Eczema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Occupational Diseases](#)
- [Periodontitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urticaria](#)
- [Wegener Granulomatosis](#)