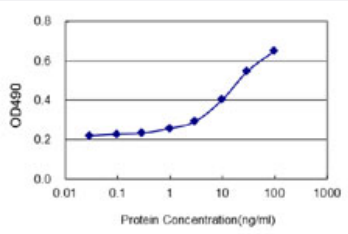
FCER1A (Human) Matched Antibody Pair

Catalog # H00002205-AP11 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification

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

Applications

- ELISA Pair (Recombinant protein)

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 su ch as hay fever and asthma. The allergic response occurs when 2 or more high-affinity IgE recept ors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. A p erturbation occurs that brings about the release of histamine and proteases from the granules in t he cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes--poten t effectors of the hypersensitivity response. The IgE receptor consists of 3 subunits: alpha, beta (M IM 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 imm unoglobulin 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