

Anti-Fc epsilon RI alpha Antibody

Catalog # AP95827

Product Information

Application	WB, FC
Primary Accession	P12319
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	29596

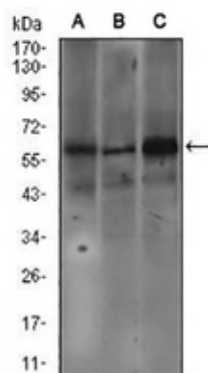
Additional Information

Gene ID	2205
Other Names	FCE1A; High affinity immunoglobulin epsilon receptor subunit alpha; Fc-epsilon RI-alpha; FcERI; IgE Fc receptor subunit alpha
Target/Specificity	Recombinant fusion protein of human Fc epsilon RI alpha expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

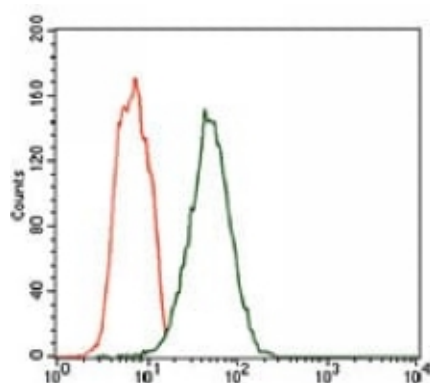
Protein Information

Name	FCER1A
Synonyms	FCE1A
Function	High-affinity receptor for immunoglobulin epsilon/IgE. Mediates IgE effector functions in myeloid cells. Upon IgE binding and antigen/allergen cross-linking initiates signaling pathways that lead to myeloid cell activation and differentiation. On mast cells, basophils and eosinophils stimulates the secretion of vasoactive amines, lipid mediators and cytokines that contribute to inflammatory response, tissue remodeling and cytotoxicity against microbes. Triggers the immediate hypersensitivity response to allergens as a host defense mechanism against helminth parasites, pathogenic bacteria and venom toxicity. When dysregulated, it can elicit harmful life-threatening allergic and anaphylactic reactions.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in eosinophils.

Images



Western blot analysis of Fc epsilon RI alpha expression in SW620 (A), A549 (B), A431 (C) whole cell lysates.
(Predicted band size: 30 kD; Observed band size: 60 kD)



Flow cytometric analysis of HEK293 cells using Anti-Fc epsilon RI alpha Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.