abcam

ab155369

APC Anti-Fc epsilon RI/FCER1A antibody [AER-37 (CRA1)]

Anti-Fc epsilon RI/FCER1A antibody [AER-37 (CRA1)] conjugated to APC - suitable for flow cytometry, and reacts with human samples. Clone [AER-37 (CRA1)] is a mouse monoclonal antibody cited in 21 publications.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Isotype	IgG2b
Host species	Mouse
Conjugation	APC
Excitation/Emission	Ex: 650nm, Em: 660nm
Storage buffer	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Native Full Length Protein corresponding to Human FCER1A. Database link P12319
Clone number	AER-37 (CRA1)
Purification technique	Affinity purification Protein G
Light chain type	kappa
Concentration	0.025 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	5 µL for 10^6 Cells
Notes	ab91534 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target data

See full target information FCER1A

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

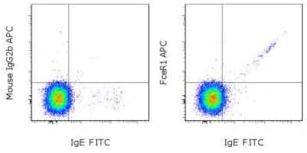
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1 product image



Flow Cytometry - APC Anti-Fc epsilon RI/FCER1A antibody [AER-37 (CRA1)] (ab155369)

Fc epsilon RI/FCER1A Flow Cytometry staining using mouse Anti-Fc epsilon RI/FCER1A antibody

Flow cytometric analysis of normal Human peripheral blood cells with Anti-Human IgE FITC and mouse IgG2b kappa Isotype Control APC (left) or ab155369 (right). Cells in the lymphocyte gate were used for analysis (note: basophils reside in FCS/SSC position of lymphocytes).

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