abcam

ab122882

Biotin Anti-Fc epsilon RI/FCER1A antibody [CRA1]

Anti-Fc epsilon RI/FCER1A antibody [CRA1] conjugated to Biotin - suitable for flow cytometry, and reacts with human samples. Clone [CRA1] is a mouse monoclonal antibody cited in 8 publications.

Key facts

Isotype	IgG2b
Host species	Mouse
Conjugation	Biotin
Storage buffer	pH: 6 - 8.5 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human FCER1A aa 1-100. The exact immunogen used to generate this antibody is proprietary information. Database link P12319
Clone number	CRA1
Purification technique	Ion exchange chromatography
Epitope	corresponds to Amino acids 1-84 of Human Fc epsilon RI/FCER1A
Light chain type	kappa
Concentration	1.2 - 1.6 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	The IgG fraction was purified from serum free culture medium of mouse hybridoma (CRA1) by propriety chromatography under mild conditions.Filter sterilized.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	ab18418 - 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 duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Storage information	Avoid freeze / thaw cycle

Notes

[biotin]/[IgG] = 8.9

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

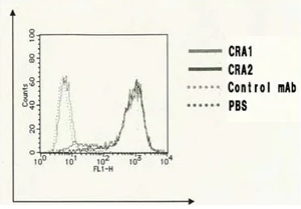
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Flow Cytometry - Biotin Anti-Fc epsilon RI/FCER1A antibody [CRA1] (ab122882)

FACS analysis of CHO/alpha beta gamma cells ($1x10^5$) with CRA1 and CRA2 antibodies by indirect-immunostaining, using FITC-labeled secondary antibody.

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