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# APC Anti-Mouse FcεRIα Antibody[MAR-1]

Catalog Number: E-AB-F1188E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Mouse

Armenian Hamster Host Isotype Armenian Hamster IgG

Clone No. MAR-1

APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E] Isotype Control

APC Conjugation

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

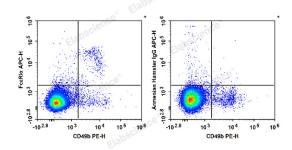
#### **Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** 

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



C57BL/6 murine bone marrow cells are stained with PE Anti-Mouse CD49b Antibody and APC Anti-Mouse FcεRIα Antibody (Left). Bone marrow cells are stained with PE Anti-Mouse CD49b Antibody and APC Armenian Hamster IgG Isotype Control (Right).

## **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

Fc-epsilon RI-alpha;FcERI;Fcer1a;High affinity immunoglobulin epsilon receptor **Alternate Names** 

subunit alpha

**Uniprot ID** P20489

# For Research Use Only

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Web:www.elabscience.com

#### **Elabscience Bionovation Inc.**



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Gene ID **Background**  14125

FceRla is a transmembrane protein belonging to the lg superfamily. FceRla forms a tetrameric complex with one  $\beta$  and two  $\gamma$ -subunits. The Fc $\epsilon$ RI complex plays an important role in triggering IgE-mediated allergic reactions. It is abundantly expressed on mast and basophils and up-regulated by the presence of IgE. Following stimulation via FcεRlα, mast cells and basophils release bioactive chemical mediators such as histamine, resulting in the initiation of allergic reactions. Cross linking of the highaffinity receptor for IgE on tissue mast cells triggers immediate hypersensitivity with local symptoms. The MAR-1 monoclonal antibody reacts with the Fc $\epsilon$ RI $\alpha$  subunit.

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