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FITC Anti-Mouse FcεRlα Antibody[MAR-1]

Catalog Number: E-AB-F1188UC

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

Description

Reactivity Mouse

Host Armenian Hamster
Isotype Armenian Hamster IgG

Clone No. MAR-1

Isotype Control FITC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

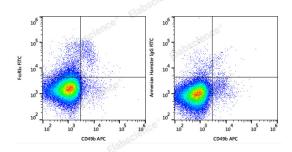
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is $0.1-1~\mu g/10^6$ cells

in 100 µL volume].

Data



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

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

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

subunit alpha

Uniprot ID P20489

For Research Use Only

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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 β and two γ -subunits. The Fc ϵ 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 ϵ RI α subunit.

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