

Manufacturer/Supplier:

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Product name: Anti-Mouse FcεRIα Monoclonal Antibody(APC
Conjugated)

Catalog: DL22057F

Synonyms: High affinity immunoglobulin epsilon receptor
subunit alpha, Fc-epsilon RI-alpha, FcεRI, Fcεr1a

Background: FcεRIα is a transmembrane protein belonging to the Ig superfamily. FcεRIα forms a tetrameric complex with one β and two γ-subunits. The FcεRI 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 FcεRIα, mast cells and basophils release bioactive chemical mediators such as histamine, resulting in the initiation of allergic reactions. Cross linking of the high-affinity

receptor for IgE on tissue mast cells triggers immediate hypersensitivity with local symptoms. The MAR-1 monoclonal antibody reacts with the FcεRIα subunit.

Form: Liquid

Isotype: Armenian Hamster IgG

Size: 25µg/100µg

Host: Armenian Hamster

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: APC

SwissProt: P20489

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Recommended Use:

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 µg/10⁶ cells in 100 µL volume].

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.