**Manufacturer/Supplier:**
WUXI DONGLIN SCI&TECH DEVELOPMENT CO., LTD
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**Product name:** Anti-Mouse FcεRIα Monoclonal Antibody(FITC Conjugated)

**Catalog:** DL22052F

**Synonyms:** High affinity immunoglobulin epsilon receptor subunit alpha,Fc-epsilon RI-alpha,FcERI,Fcer1a

**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:**
50Tests/100Tests/100Tests×2

**Host:** Armenian Hamster

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 5 μL

**Conjugation:** FITC

**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. The amount 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.

**Storage:**

Keep as concentrated solution.

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

This product is guaranteed up to one year from purchase.