

Purified Anti-Mouse FcεR1α Antibody[MAR-1], Functional Grade

catalog number: E-AB-F11880

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

Description

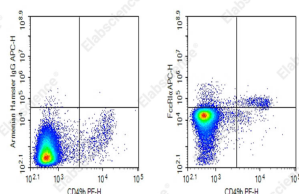
Reactivity	Mouse
Immunogen	Recombinant Mouse FcεR1α protein
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone	MAR-1
Purification	>98%, Protein A/G purified
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

Applications

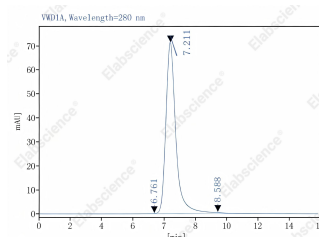
Recommended Dilution

FCM ≤ 0.2 µg per million cells in 100 µL volume

Data



C57/BL6 Mouse bone marrow were stained with 0.2 µg Purified Anti-Mouse FcεR1α Antibody[MAR-1], Functional Grade (Right) and 0.2 µg Armenian Hamster IgG, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody, then anti-Mouse CD49b PE-conjugated Monoclonal Antibody.



C57/BL6 Mouse bone marrow were stained with 0.2 µg Purified Anti-Mouse FcεR1α Antibody[MAR-1], Functional Grade (Right) and 0.2 µg Armenian Hamster IgG, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody, then anti-Mouse CD49b PE-conjugated Monoclonal Antibody.

Preparation & Storage

Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Shipping Ice bag

Background

FcεR1α is a transmembrane protein belonging to the Ig superfamily. FcεR1α forms a tetrameric complex with one β and two γ-subunits. The FcεR1 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 FcεR1α, 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 FcεR1α subunit.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

For Research Use Only

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Rev. V1.4

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