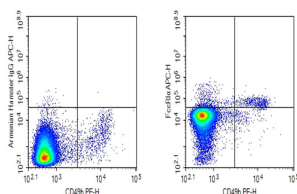


Purified Mouse FcεR1α Antibody[MAR-1]

catalog number: E-AB-F1188A

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	46082
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.
Applications	
FCM	Recommended Dilution ≤ 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] (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.
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.	

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