

## 43-1102: Monoclonal Antibody to Mouse Fc epsilon Receptor I alpha (FceR1) NALE™ Purified (Clone: MAR-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MAR-1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Fcer1a
<b>Gene ID :</b>	14125
<b>Uniprot ID :</b>	P20489
<b>Alternative Name :</b>	Fce1a, Fc-epsilon RI-alpha, IgE Fc receptor subunit alpha
<b>Isotype :</b>	Armenian Hamster IgG

### Description

The MAR-1 antibody reacts with the Fc epsilon Receptor I alpha chain (FceR1a), a transmembrane protein member of the Ig superfamily. This chain, together with a beta chain and two gamma chains form a tetrameric complex that supports IgE-mediated signaling and subsequent release of chemical mediators of allergy and immediate hypersensitivity. FceR1a is upregulated in the presence of IgE on those cell types which express it, such as Mast cells and Basophils. The MAR-1 antibody is widely used both in flow cytometry and for depletion of cells in vitro / in vivo.

### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.