

**In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FcεR1) (MAR-1) Antibody**  
**Catalog # ATB10154****Specification****In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FcεR1) (MAR-1) Antibody - Product Information**

Application	IHC, FC, IP, FA
Isotype	Armenian Hamster IgG
Concentration	2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH7.2
Host	Armenian Hamster

**In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FcεR1) (MAR-1) Antibody - Additional Information**

Gene ID	2205
Gene Name	FCER1A
Alternative Name(s)	
high affinity IgE receptor , nale, na/le, leaf, ultra leaf, ultra-leaf, functional grade, ivr	

**Format**

In Vivo Ready™

**Preparation**

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

**Application Notes**

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

**Endotoxin Level**

Less than or equal to 0.01 EU/ug, as determined by the LaL assay

**Storage Conditions**

2-8°C

**In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FcεR1) (MAR-1) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FceR1) (MAR-1) Antibody - Images**

## **In Vivo Ready™ Anti-Mouse Fc epsilon Receptor I alpha (FceR1) (MAR-1) Antibody - Background**

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.