Fc epsilon Receptor I alpha Antibody [FceR1]
Cat. No.: 77-175

Specifications

- **HOST SPECIES:** Hamster
- **SPECIES REACTIVITY:** Mouse
- **TESTED APPLICATIONS:** Flow, Func, IHC, IP
- **SPECIFICITY:** The MAR-1 antibody reacts with the Fc epsilon Receptor I alpha chain (FceRIa), a transmembrane protein member of the Ig superfamily.

Properties

- **PURIFICATION:** 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.
- **CLONALITY:** Monoclonal
- **ISOTYPE:** Armenian Hamster IgG
- **CONJUGATE:** Unconjugated
- **PHYSICAL STATE:** liquid
- **BUFFER:** Phosphate-buffered aqueous solution, ph7.2.
- **CONCENTRATION:** batch dependent
**STORAGE CONDITIONS:** The product should be stored undiluted at 4 °C. Do not freeze.

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### Additional Info

<table>
<thead>
<tr>
<th>OFFICIAL SYMBOL:</th>
<th>FCER1A</th>
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<tbody>
<tr>
<td>ALTERNATE NAMES:</td>
<td>FCE1A, FcER, FCER1A</td>
</tr>
<tr>
<td>GENE ID:</td>
<td>2205</td>
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<td>USER NOTE:</td>
<td>Optimal dilutions for each application to be determined by the researcher.</td>
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</tbody>
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### Background and References

**BACKGROUND:**
The MAR-1 antibody reacts with the Fc epsilon Receptor I alpha chain (FceRIa), 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. FceR1α 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.

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**ANTIBODIES FOR RESEARCH USE ONLY.**

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