



## Fc epsilon Receptor I alpha Antibody [FceR1] (FITC)

CATALOG NUMBER: 77-176

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The Mar-1 monoclonal antibody binds to the Fc epsilon Receptor I alpha subunit (FceR1a), which is a transmembrane glycoprotein from the immunoglobulin superfamily.
<b>HOST SPECIES:</b>	Hamster

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.5 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Armenian Hamster IgG
<b>CONJUGATE:</b>	FITC

### Additional Info

<b>ALTERNATE NAMES:</b>	FCE1A, FcER, FCER1A
<b>OFFICIAL SYMBOL:</b>	FCER1A
<b>GENE ID:</b>	2205

### Background

<b>BACKGROUND:</b>	The Mar-1 monoclonal antibody binds to the Fc epsilon Receptor I alpha subunit (FceR1a), which is a transmembrane glycoprotein from the immunoglobulin superfamily. FceR1a lacks signal-transducing ability and is expressed by mast and basophil cells. The Fc epsilon Receptor I alpha subunit is upregulated by IgE and forms a tetramer with a beta subunit and two gamma subunits, which have ITAM (immunoreceptor tyrosine-based activation motifs). The complex formed by the four subunits has very important roles in the IgE-facilitated allergic reactions.
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FOR RESEARCH USE ONLY

December 13, 2016