**Fc epsilon Receptor I alpha (FceR1) Mouse Anti-Human mAb (clone AER-37), PE Conjugate**

**Store at 2°C to 8°C**

**Pub. No.** MAN0009519  **Rev.** 1.00

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Form</th>
<th>Amount</th>
<th>Excitation</th>
<th>Peak Emission</th>
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<tbody>
<tr>
<td>A18416</td>
<td>PE</td>
<td>25 tests (5 μL/test; 0.05 μg/μL)</td>
<td>496 nm</td>
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**Clone**

AER-37 (CRA1)

**Host/Class**

Mouse IgG2bκ

**Description**

The Fc epsilon Receptor I alpha (FceR1) Mouse Anti-Human Monoclonal Antibody (mAb) recognizes the Fc epsilon Receptor I alpha subunit. This IgE-binding subunit lacks signal-transducing ability. Fc epsilon Receptor I alpha expression is found on basophil and mast cells. Expression is up-regulated by the presence of IgE. Together with one beta and two gamma subunits, Fc epsilon RI alpha forms a tetrameric complex. The beta and gamma subunits of the tetramer contain immunoreceptor tyrosine-based activation motifs.

**Alternate Names**

FceRI alpha, high affinity IgE receptor

**Applications***

FC (normal human peripheral blood cells)3, FUNC1

**Storage Buffer**

The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. **CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

**Storage**

Store reagents in the dark at 2°C to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

**Stability**

When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.

**Lot Number**

See product label.

**References**


*Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

**For Research Use Only. Not for use in diagnostic procedures.**

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288
**Explanation of Symbols**

The symbols present on the product label are explained below:

<table>
<thead>
<tr>
<th>Symbol</th>
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<td>🍷</td>
<td>Use by</td>
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<td>Temperature limitation</td>
<td>🚤</td>
<td>Caution, consult accompanying</td>
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<tr>
<td>🍂</td>
<td>Consult instructions for use</td>
<td>⚠️</td>
<td>documents</td>
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**Limited Product Warranty**

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