# Product datasheet

## Anti-Fc epsilon RI/FCER1A antibody [CRA2] (FITC) ab122891

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Fc epsilon RI/FCER1A antibody [CRA2] (FITC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Mouse monoclonal [CRA2] to Fc epsilon RI/FCER1A (FITC)</td>
</tr>
<tr>
<td>Host species</td>
<td>Mouse</td>
</tr>
<tr>
<td>Conjugation</td>
<td>FITC. Ex: 493nm, Em: 528nm</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: ICC, Flow Cyt, Inhibition Assay</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant fragment corresponding to Human Fc epsilon RI/FCER1A aa 85-172. Sequence: FEDSGE YKCQHQVNE SEPVYLEVFS DWLLQASAE VVMEGQPLFL RCHGWRNWDV YKVYYKDGAYKLYWYNHNISITNATVEDSG</td>
</tr>
<tr>
<td>Epitope</td>
<td>Amino acids 85-172 of Fc epsilon RI/FCER1A</td>
</tr>
<tr>
<td>Positive control</td>
<td>CHO/alpha beta gamma cells</td>
</tr>
<tr>
<td>General notes</td>
<td>[FITC][IgG] 8.9</td>
</tr>
<tr>
<td></td>
<td>This product was previously labelled as Fc epsilon RI</td>
</tr>
</tbody>
</table>

### Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at +4°C.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>pH: 7.40 Constituents: 49% PBS, 50% Glycerol</td>
</tr>
<tr>
<td>Purity</td>
<td>Ion Exchange Chromatography</td>
</tr>
<tr>
<td>Purification notes</td>
<td>ab122891 was purified from serum free culture medium of mouse hybridoma (CRA2) by propriety chromatography under mild conditions. Filter sterilized</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
</tbody>
</table>
Clone number: CRA2
Isotype: IgG1
Light chain type: kappa

Applications

Our Abpromise guarantee covers the use of **ab122891** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use at an assay dependent concentration. ab106163 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
</tr>
<tr>
<td>Inhibition Assay</td>
<td></td>
<td>Use at an assay dependent concentration. Inhibition of binding of IgE with Fc epsilon RI</td>
</tr>
</tbody>
</table>

Target

**Function**
Binds to the Fc region of immunoglobulins epsilon. High affinity receptor. Responsible for initiating the allergic response. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines.

**Sequence similarities**
Contains 2 Ig-like (immunoglobulin-like) domains.

**Cellular localization**
Cell membrane.

Images

FACS analysis of CHO/alpha beta gamma cells (1x10^5) with CRA1 and CRA2 antibodies by indirect-immunostaining using FITC-labeled secondary antibody.
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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