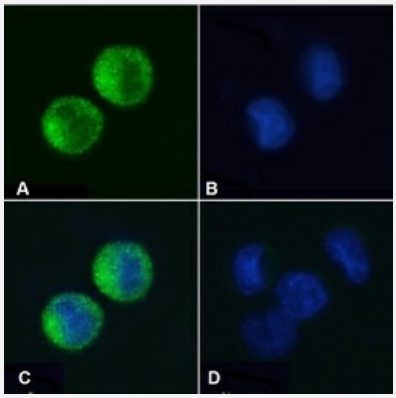
RecomAb™

# FCER1G recombinant monoclonal antibody, clone IB10

Catalog # RAB03440 Size 200 ug

## Applications




### Immunofluorescence

Immunofluorescent staining of U937 cells with FCER1G recombinant monoclonal antibody, clone IB10 (Cat # RAB03440).
Immunofluorescence analysis of paraformaldehyde U937 cells immobilized on Shi-fix™ coverslips and stained with the chimeric r version of RAB03440 at 10 ug/mL followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing diffuse membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody followed by staining with Alexa Fluor® 488 secondary antibody.
(A) RAB03440
(B) DAPI
(C) Merged channels
(D) Isotype control

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human FCER1G. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to N-terminus of human FCE R1G. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG |

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|---|---|
| **Recommend Usage** | Blocking<br>Flow Cytometry<br>Immunofluorescence<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS with 0.02% Proclin 300 |
| **Storage Instruction** | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunofluorescence

  Immunofluorescent staining of U937 cells with FCER1G recombinant monoclonal antibody, clone IB10 (Cat # RAB03440). Immunofluorescence analysis of paraformaldehyde U937 cells immobilized on Shi-fix™ coverslips and stained with the chimeric r version of RAB03440 at 10 ug/mL followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing diffuse membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody followed by staining with Alexa Fluor® 488 secondary antibody.
  (A) RAB03440
  (B) DAPI
  (C) Merged channels
  (D) Isotype control

- Flow Cytometry

- Blocking

## Gene Info — FCER1G

| | |
|---|---|
| **Entrez GeneID** | 2207 |
| **Gene Name** | FCER1G |
| **Gene Alias** | FCRG |
| **Gene Description** | Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide |
| **Omim ID** | 147139 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The high affinity IgE receptor is a key molecule involved in allergic reactions. It is a tetramer comp osed of 1 alpha, 1 beta, and 2 gamma chains. The gamma chains are also subunits of other Fc re ceptors. [provided by RefSeq |

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|---|---|
| **Other Designations** | Fc fragment of IgE, high affinity I, receptor for, gamma polypeptide\|OTTHUMP00000032239\|OTTHUMP00000063478\|immunoglobulin E receptor, high affinity, gamma chain |

## Pathway

- Asthma
- Fc epsilon RI signaling pathway
- Natural killer cell mediated cytotoxicity

## Disease

- Asthma
- Birth Weight
- Cardiovascular Diseases
- Chronic Disease
- Diabetes Mellitus
- Drug Hypersensitivity
- Eczema
- Edema
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hypersensitivity
- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Nephrotic Syndrome

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- Urticaria

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