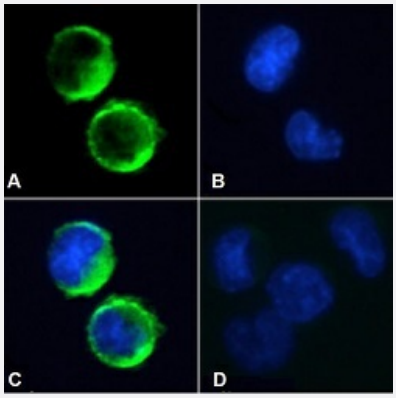
RecomAb™

FCER1G recombinant monoclonal antibody, clone IE7

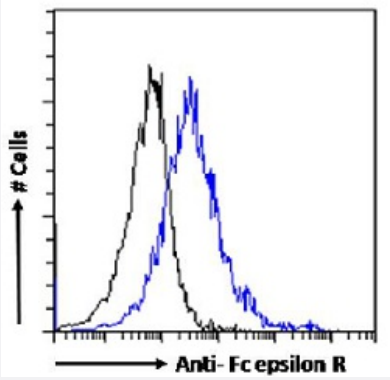
Catalog # RAB03442 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of U937 cells with FCER1G recombinant monoclonal antibody, clone IE7 (Cat # RAB03442).
Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on Shi-fix™ coverslips and stained with the chimeric r version of RAB03442 at 10 ug/mL followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing 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) RAB03442
(B) DAPI
(C) Merged channels
(D) Isotype control



Flow Cytometry

Flow cytometric analysis of U937 cells with FCER1G recombinant monoclonal antibody, clone IE7 (Cat # RAB03442).
U937 cells were stained with anti-Fluorescein IgG antibody (isotype control-black line) or the r version of RAB03442 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FCER1G.
Antibody Species	Rabbit

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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
Recommend Usage	Flow Cytometry Immunofluorescence 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. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of U937 cells with FCER1G recombinant monoclonal antibody, clone IE7 (Cat # RAB03442). Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on Shi-fix™ coverslips and stained with the chimeric r version of RAB03442 at 10 ug/mL followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing 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) RAB03442
  (B) DAPI
  (C) Merged channels
  (D) Isotype control

- Flow Cytometry

  Flow cytometric analysis of U937 cells with FCER1G recombinant monoclonal antibody, clone IE7 (Cat # RAB03442). U937 cells were stained with anti-Fluorescein IgG antibody (isotype control-black line) or the r version of RAB03442 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Gene Info — FCER1G

Entrez GeneID	2207
Gene Name	FCER1G
Gene Alias	FCRG

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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
Other Designations	Fc fragment of IgE, high affinity I, receptor for, gamma polypeptide|OTTHUMP00000032239|OTT HUMP00000063478|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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Nephrotic Syndrome
- Urticaria

Copyright © 2023 Abnova Corporation. All Rights Reserved.