

FcεR1α Rabbit mAb

Catalog NO.: A25881 **Recombinant**

Basic Information

Observed MW

59kDa

Calculated MW

30kDa

Category

Monoclonal Antibodies

Applications

WB, FC, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC66910

Background

The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. The protein encoded by this gene represents the alpha subunit.

Recommended Dilutions

WB 1:1000 - 1:6000

FC 1:500 - 1:1000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2205

Swiss Prot

P12319

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

FCE1A; FcεRI; FCERIA

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

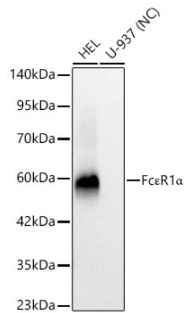
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using FcεR1α Rabbit mAb (A25881) at 1:1000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

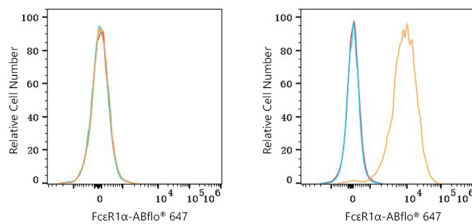
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

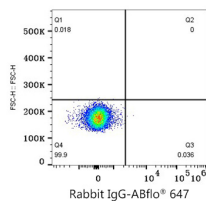
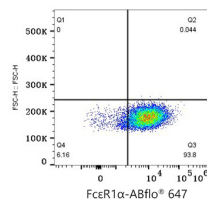
Detection: ECL Basic Kit (RM00020).

Negative control (NC): U-937

Exposure time: 10s.



Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and HEL cells (right) were surface-stained with FcεR1α Rabbit mAb (A25881, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 HEL cells were surface-stained with Rabbit IgG isotype control (AC042, 2 $\mu\text{g/mL}$, left) or Fc ϵ R1 α Rabbit mAb (A25881, 2 $\mu\text{g/mL}$, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.