

Human IgE Rabbit mAb

Catalog No.: A23194 **Recombinant**

Basic Information

Observed MW

55kDa

Calculated MW

47kDa

Category

Primary antibody

Applications

ELISA, WB, FC

Cross-Reactivity

Human

CloneNo number

ARC60066

Background

IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies - and the life threatening respiratory distress of asthma and anaphylactic shock

Recommended Dilutions

WB 1:500 - 1:1000

FC 1:500 - 1:1000

Immunogen Information

Gene ID

3497

Swiss Prot

P01854

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 104-428 of human IgE (P01854).

Synonyms

Igh2; IGHE; IGHEP1; Human IgE

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

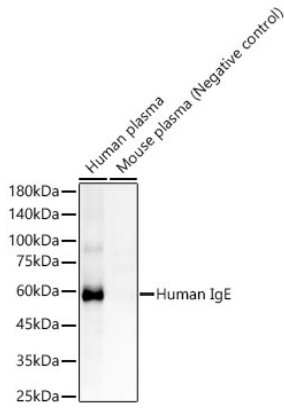
Affinity purification

Storage

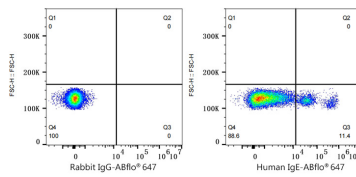
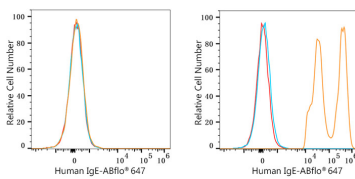
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using Human IgE Rabbit mAb (A23194) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 60s.



Flow cytometry: 1×10^6 HeLa cells (negative control, left) and Human PBMC (right) were surface-stained with Human IgE Rabbit mAb (A23194, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line), 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 Human PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or Human IgE Rabbit mAb (A23194, 2 µg/mL, right).