ABclonal® Technology

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Human IgE Rabbit mAb

Catalog No.: A23194   **Recombinant**

Basic Information

Observed MW
55kDa

Calculated MW
47kDa

Category
Primary antibody

Applications
WB,FC,ELISA

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

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

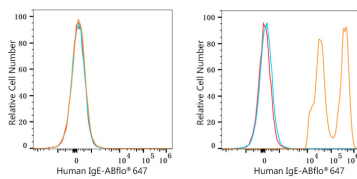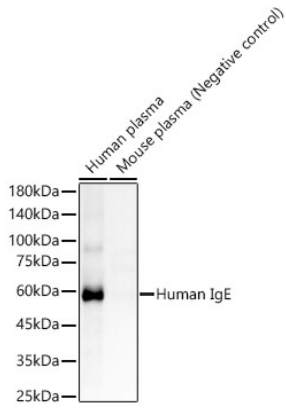| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. 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-conjugated 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: 1X10^6 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).