

ARG53948 anti-Human IgE antibody [BE5] (PE)

Package: 100 µg
Store at: 4°C

Summary

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | PE-conjugated Mouse Monoclonal antibody [BE5] recognizes Human IgE |
| Tested Reactivity | Hu |
| Tested Application | FACS |
| Specificity | The clone BE5 reacts with human IgE; it recognizes an epitope different from the ones recognized by 4G7 and 4H10 antibodies to IgE. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | BE5 |
| Isotype | IgG1 |
| Target Name | Human IgE |
| Species | Human |
| Immunogen | Purified human IgE. |
| Conjugation | PE |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-------------|
| | FACS | 2 - 5 µg/ml |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| Concentration | 0.1 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

Database links

[GeneID: 3497 Human](#)

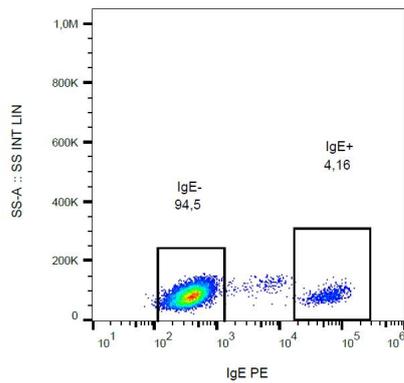
Background

Immunoglobulin E (IgE) is a 180 kDa soluble protein serving as an antigen-specific unit of mast cell effector mechanisms. IgE has the lowest serum concentration of all immunoglobulins (approximately 0.5 mg/l) in healthy individuals, but upon allergen challenge its concentration in blood increases dramatically. Although biological survival of free IgE is very short ($T_{1/2} = 2$ days), it is stabilized after binding to its high affinity receptor. Unlike IgM- IgG- and IgA-committed B cells, IgE-switched B cells do not undergo clonal expansion.

Research Area

Immune System antibody

Images



ARG53948 anti-Human IgE antibody [BE5] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG53948 anti-Human IgE antibody [BE5] (PE).