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## 30-2207: PE Conjugated Anti-IgE Monoclonal Antibody (Clone:BE5)

Clonality: Monoclonal

Clone Name: BE5
Application: FACS
Reactivity: Human
Conjugate: PE
Gene: IGHE
Uniprot ID: P01854

**Alternative Name:** Immunoglobulin heavy constant epsilon

**Isotype:** Mouse IgG1

Immunogen Information: Purified human IgE.

## **Description**

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 (T1/2 = 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.

## **Product Info**

Amount: 0.1 mg

**Content:** Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide **Storage condition:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

## **Application Note**

Flow cytometry: Recommended dilution: 2-5 µg/ml.

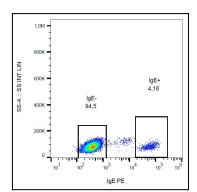


Figure 1: Surface staining of IgE in human peripheral blood with anti-IgE (BE5) PE.