

## 30-1986: FITC Conjugated Anti-IgE Monoclonal Antibody (Clone:4H10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4H10
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	IGHE
<b>Uniprot ID :</b>	P01854
<b>Alternative Name :</b>	Immunoglobulin heavy constant epsilon
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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 ( $T_{1/2} = 2$  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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Content :</b>	0.1mg/ml, Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

### Application Note

Flow cytometry: Recommended dilution: 4  $\mu$ g/ml.

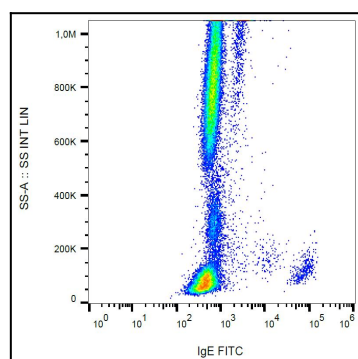


Figure 1: Surface staining of IgE on human peripheral blood cells with anti-IgE (4H10) FITC.