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30-1209: Anti-IgE Monoclonal Antibody (Clone:4H10)

Clonality :	Monoclonal
Clone Name :	4H10
Application :	ELISA,FACS,WB
Reactivity :	Human
Gene :	IGHE
Uniprot ID :	P01854
Format :	Purified
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
Purification :	Purified by precipitation and chromatography
Content :	1mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:*4 µg/ml

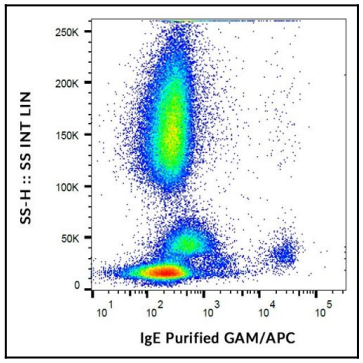

Figure 1: Flow cytometry analysis of IgE on human peripheral blood cells with anti-IgE purified, GAM-APC.