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Datasheet for ABIN7506191 anti-IgE antibody (PE)

Overview

Quantity:	0.1 mg
Target:	IgE
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IgE antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu IgE PE
Immunogen:	Purified human IgE.
Clone:	4H10
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody 4H10 reacts with human IgE, it recognizes an epitope different from the ones recognized by BE5 and 4G7 antibodies to IgE. The epitope is located within the amino acids 267-279 (TWLEDGQVMDVDL).
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	IgE
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Target Details

Abstract: [IgE Products](#)

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 (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.,Immunoglobulin E

Application Details

Application Notes: Flow cytometry: Recommended dilution: 1-5 µg/mL.

Restrictions: For Research Use only

Handling

Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.