Datasheet for ABIN302010

Mouse anti-Human IgE Antibody (FITC)

1 Image

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Overview

Quantity:	0.1 mg
Target:	IgE
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS)

Product Details

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).
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

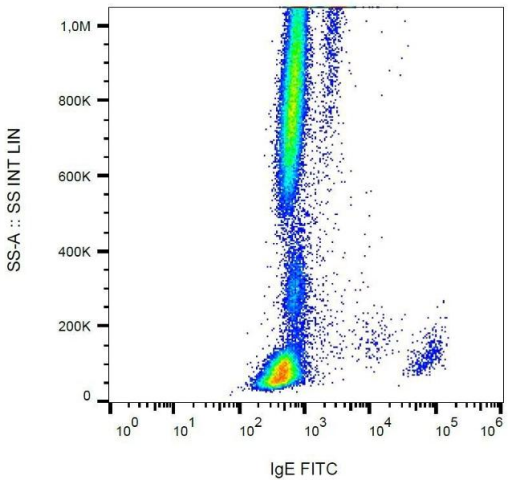
Target:	IgE
Abstract:	IgE Products
Background:	Immunoglobulin E (IgE) is a 180 kDa soluble protein serving as an antigen-specific unit of mast cell effector mechanisms. IgE has the lowest serum concentration of all immunoglobulins (approximately 0.5 mg/l) in healthy individuals, but upon allergen challenge 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
Molecular Weight:	180 kDa

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 4 µg/mL.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
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.
Handling Advice:	**Do not freeze.** Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

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