Datasheet for ABIN7013917

anti-IgE antibody (Biotin)

2 Images

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Overview

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

Product Details

Immunogen:	Purified human IgE.
Clone:	BE5
Isotype:	IgG1
Specificity:	The antibody BE5 reacts with human IgE, it recognizes an epitope different from the ones recognized by 4G7 and 4H10 antibodies to IgE.
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	IgE
Abstract:	IgE Products

Target Details

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

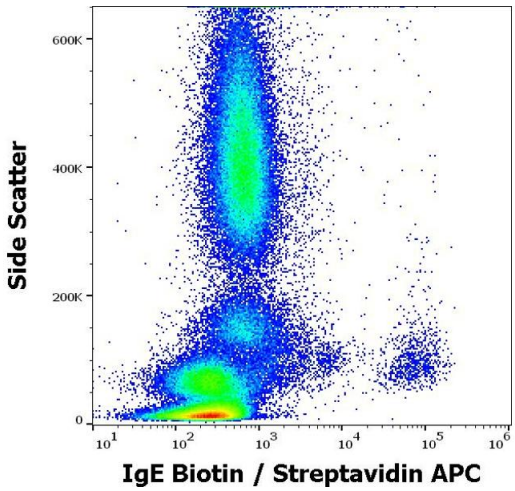
Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-12 µg/mL
Restrictions:	For Research Use only

Handling

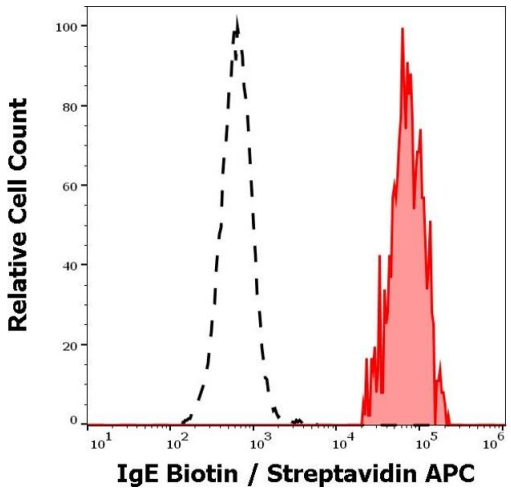
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgE (BE5) Biotin antibody (concentration in sample 4 µg/mL) Streptavidin APC.



Flow Cytometry

Image 2. Separation of human IgE positive basophil granulocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human IgE (BE5) Biotin antibody (concentration in sample 4 µg/mL) Streptavidin APC.