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30-1207PE-Cy5: PE-Cy5 Conjugated Anti-IgE Monoclonal Antibody (Clone:BE5)

Clonality :	Monoclonal
Clone Name :	BE5
Application :	FACS
Reactivity :	Human
Conjugate :	R-PE/CY5
Gene :	IgE
Alternative Name :	Immunoglobulin E
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.
Specificity: The antibody BE5 reacts with human IgE; it recognizes an epitope different from the ones recognized by 4G7 and 4H10 antibodies to IgE.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 5 (PE-Cy™5) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 2-5 µg/ml.

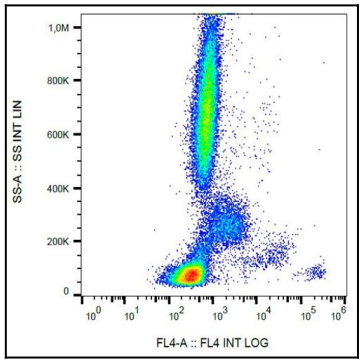


Figure 1: Flow cytometry analysis (surface staining) of IgE in human peripheral blood with anti-IgE (BE5) PE-Cy5.

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