

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

Clonality :	Monoclonal
Clone Name :	BE5
Application :	ELISA,FACS
Reactivity :	Human
Conjugate :	HRP
Gene :	IGHE
Uniprot ID :	P01854
Alternative Name :	Immunoglobulin heavy constant epsilon,Immunoglobulin E
Isotype :	Mouse IgG1
Immunogen Information :	Purified human IgE.

Description

Specificity: The antibody BE5 reacts with human IgE; it recognizes an epitope different from the ones recognized by 4G7.325 and 4H10 antibodies to 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 ($T_{1/2} = 2$ 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 antibody is conjugated with activated horseradish peroxidase (HRP) of high specific enzyme activity under optimum conditions and unconjugated antibody and free HRP are removed by size-exclusion chromatography.
Content :	0.2 mg/ml, Stabilizing phosphate buffered saline (PBS), pH 7.4, 0.01% thimerosal
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

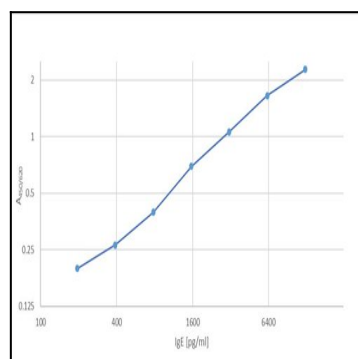


Figure 1: ELISA analysis of polyclonal human IgE (7 different concentrations: 0.2 - 12.5 ng/ml) using capture antibody 4H10 (1.25 µg/ml) and HRP-conjugated detection antibody BE5 (5 µg/ml).