

Mouse anti-Human IgE Monoclonal Antibody | anti-IgE antibody

Anti-Hu IgE Purified

CATALOG # AAA128352	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------	----------------------------	------------------------------

PRODUCT SYNONYMS

IgE; Monoclonal Antibody; Anti-Hu IgE Purified; Immunoglobulin E; anti-IgE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	4G7
Specificity	The mouse monoclonal antibody 4G7 reacts with human IgE; it recognizes an epitope different from the ones recognized by BE5 and 4H10 antibodies to IgE. The epitope is located within the amino acids 103-115 (WSDYNFDYSSSEE).
Purity/Purification	Purified by Precipitation and Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	569
Applicable Applications for anti-IgE antibody	ELISA
Immunogen	Purified human IgE.
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-IgE antibody	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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	22651682
NCBI Official Full Name	immunoglobulin epsilon chain

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.