

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

MOUSE ANTI HUMAN IgE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49156	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

IgE; Monoclonal Antibody; MOUSE ANTI HUMAN IgE; anti-IgE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	E411 (5H2)
Specificity	Mouse anti Human IgE antibody, clone E411 (5H2) recognizes human IgE heavy chain, a 428 amino acid protein bearing four Ig-like domains. Mouse anti Human IgE antibody, clone E411 binds to an epitope expressed on C?3 domain. Mouse anti Human IgE antibody, clone E411 has been successfully used as a capture reagent in the development of a sensitive Sandwich ELISA in combination with biotinylated Goat anti Human IgE () as a detection reagent. It has also been used in the development of a bead based microfluidic assay for the measurement of patient IgE levels in combination with Mouse anti Human IgE antibody, clone E454 () indicating potential for the study and monitoring of IgE levels in allergic events (Proczek et al. 2012).
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G
Form/Format	Purified IgG - liquid
Applicable Applications for anti-IgE antibody	ELISA, FCM/FACS (Flow Cytometry)
Buffer Solution	Phosphate buffered saline
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Immunoglobulin E from human serum
Preparation and Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119512
NCBI GeneID	3497
UniProt Accession #	P01854
NCBI Official Full Name	Ig epsilon chain C region

NCBI Official Synonym Full Names	immunoglobulin heavy constant epsilon
NCBI Official Symbol	IGHE
NCBI Official Synonym Symbols	IgE
UniProt Protein Name	Ig epsilon chain C region
UniProt Gene Name	IGHE
UniProt Entry Name	IGHE_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ige-antibody-clone-e411-5h2-flow-cytometry-elisa/49156>