

**Mouse Anti-Human IgE Antibody**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8498b**

## Specification

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### Mouse Anti-Human IgE Antibody - Product Information

Application	E,E
Primary Accession	<a href="#">P01854</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,K

### Mouse Anti-Human IgE Antibody - Additional Information

#### Dilution

E~~1:5000

#### Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Mouse Anti-Human IgE Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Mouse Anti-Human IgE Antibody - Protein Information

**Name** IGHE {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.22}

**Function** Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins- secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:[20176268](#), PubMed:[22158414](#)). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:[17576170](#), PubMed:[20176268](#)).

#### Cellular Location

[Isoform 1]: Secreted [Isoform 3]: Cell membrane; Single-pass type I membrane protein

#### Tissue Location

[Isoform 2]: Expressed in B lymphocytes stimulated with IL4 and CD40.

#### Mouse Anti-Human IgE Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Mouse Anti-Human IgE Antibody - Images

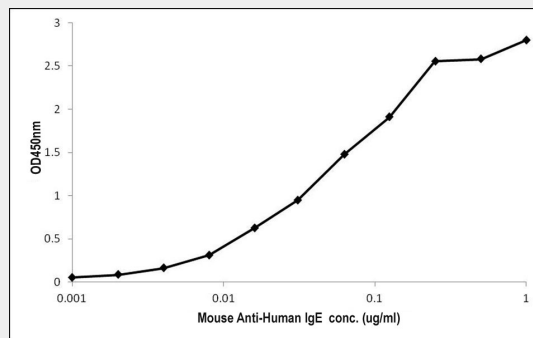


Plate was coated with human IgE at 1.25 ug/ml in PBS, and then incubated with anti-human IgE antibody (1497CT744.79.17) from 0.004 ug/ml to 1 ug/ml. The secondary antibody, HRP conjugated goat anti-mouse antibody, were used at 1:10000.