

Anti-IgE Monoclonal Antibody (R1E4)

Catalog #: ASPF101

Product Details

Product Description:	This product is a rat monoclonal antibody (clone R1E4) that specifically binds murine IgE without cross-reacting with IgG, IgA, IgM or IgD, is validated in ELISA and flow cytometry, is azide-free, and is widely used to study allergic mechanisms and to deplete IgE in mouse models of asthma and atopy.
Host Species:	Rat
Target:	IgE
Target Species:	Mouse
Specificity:	This antibody is highly specific for murine IgE, showing no cross-reactivity with other classes of mouse immunoglobulins, such as IgD, IgG, IgA, or IgM.
Species Reactivity:	Mouse
Clonality:	Monoclonal
Clone ID:	R1E4
Purification:	The antibody was purified by affinity chromatography.
Purity:	>95% as determined by SDS-PAGE
Aggregation:	<5% as determined by SEC

Formulation Information

Sterility:	0.2 µM filtered
Preservative:	BSA and Azide free.
Stabilizer:	None

Applications

Applications:	Enzyme-linked Immunosorbent Assay, Flow Cytometry
Note:	Optimal dilutions/concentrations should be determined by the end user.

Storage & Handling

Shipping:	Shipped at 4°C.
Storage:	This antibody can be stored at 2°C-8°C for one month. Upon delivery aliquot. For longer storage,

store at -20°C. Avoid repeated freeze-thaw cycles.

Target Details

Protein Name:	Immunoglobulin E
Introduction:	IgE (Immunoglobulin E) is one of the five major classes of antibodies. It plays a central role in allergic reactions and immunity against parasitic infections. IgE primarily binds to mast cells and basophils, and upon re-exposure to an allergen, it triggers these cells to release inflammatory mediators like histamine, causing allergic symptoms.
Alternative Names:	Immunoglobulin E
Related Disease:	Allergy