

Datasheet for ABIN7072336

Recombinant anti-IgE antibody[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	IgE
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This IgE antibody is un-conjugated
Application:	ELISA, Blocking Reagent (BR)

Product Details

Purpose:	Anti-IgE [TES-C21], Mouse IgG1, kappa
Immunogen:	Polyclonal human IgE.
Clone:	TES-C21
Isotype:	IgG1 kappa
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG
Purification:	Protein A affinity purified

Target Details

Target:	IgE
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Target Details

Abstract:	IgE Products
Background:	Immunoglobulin E

Application Details

Application Notes:	The antibody binds specifically to IgE, an immunoglobulin isotype secreted by upon stimulation of B cells by interleukins IL-4 and IL-13. IgE provides immunity to parasites such as helminths and Plasmodium falciparum. The immunoglobulin also plays a central role in the development of Type I hypersensitivity reactions and allergic diseases such as asthma, sinusitis and food allergies. These allergic responses are triggered by the binding of IgE to the high affinity receptor FcεRI, expressed on the surface of basophils and mast cells. Binding of IgE causes cross-linking of the receptor, inducing degranulation and release of inflammatory mediators, particularly of histamine. The monoclonal antibody TES-C21 binds to secreted IgE and to IgE expressed on the surface of IgE-producing B cells, thereby inhibiting IgE binding to FcεRI and the release of histamine from mast cells. The monoclonal antibody can have diagnostic applications, such as for identifying and quantifying IgE-expressing B cells and IgE levels in serum samples, and therapeutic applications in the treatment of allergies. Furthermore, the antibody can conjugated to cytotoxic drugs and deliver them specifically to IgE-producing B cells.
Comment:	This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.