

Product Datasheet

IgE Antibody (TES-C21) - Azide and BSA Free NBP3-09008-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09008-0.2mg

IgE Antibody (TES-C21) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TES-C21
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse IgE Antibody (TES-C21) - Azide and BSA Free (NBP3-09008) is a recombinant monoclonal antibody validated for use in ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3497
Gene Symbol	IGHE
Species	Human
Immunogen	Polyclonal human IgE.
Product Application Details	
Applications	ELISA, Block/Neutralize
Recommended Dilutions	ELISA, Block/Neutralize
Application Notes	<p>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.</p> <p>The antibody binds specifically to IgE, an immunoglobulin isotype secreted by upon stimulation of B cells by interleukins II-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 Fc epsilon RI, 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 Fc epsilon RI 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.</p>



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Products Related to NBP3-09008-0.2mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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