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Datasheet for ABIN7200663

## Recombinant anti-IgE (Omalizumab Biosimilar) antibody

### Overview

Quantity:	1 mg
Target:	IgE (Omalizumab Biosimilar)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This IgE (Omalizumab Biosimilar) antibody is un-conjugated
Application:	In vivo Studies (in vivo), Flow Cytometry (FACS)

### Product Details

Purpose:	Omalizumab Biosimilar, Human IgE Monoclonal Antibody
Immunogen:	The monoclonal antibody Omalizumab was produced in the Omalizumab biosimilar CHO stable cell line.
Isotype:	IgG1
Specificity:	The monoclonal antibody Omalizumab specifically binds to the human immunoglobulin E (IgE) free in the blood and interstitial fluid and to membrane-bound form of IgE (mIgE) on the surface of mIgE-expressing B lymphocytes. Unlike an ordinary anti-IgE antibody, omalizumab does not bind to IgE that is already bound by the high affinity IgE receptor (FcεRI) on the surface of mast cells, basophils, and antigen-presenting dendritic cells.
Characteristics:	Recombinant Humanized IgG1 Monoclonal Antibody.
Purification:	Protein A affinity column

## Product Details

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Purity:	> 95% by SDS-PAGE under reducing conditions and HPLC.
Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU per 1 mg of the protein by the LAL method.

## Target Details

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Target:	IgE (Omalizumab Biosimilar)
Abstract:	<a href="#">IgE (Omalizumab Biosimilar) Products</a>
Target Type:	Biosimilar
Background:	<p>Omalizumab is a humanized antibody used to reduce sensitivity to inhaled or ingested allergens, especially in the control of moderate to severe allergic asthma which does not respond to high doses of corticosteroids.</p> <p>Immunoglobulin E (IgE) found in mammals only exists as monomers consisting of two heavy chains (ε chain) and two light chains, with the ε chain containing 4 Ig-like constant domains (Cε1-Cε4). In addition to immunity to parasites, IgE plays an essential role in type I hypersensitivity, which manifests various allergic diseases, and allergic conditions, such as anaphylactic reactions to certain drugs, bee stings, and antigen preparations used in specific desensitization immunotherapy.</p>

## Application Details

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Application Notes:	Functional assay, neutralization, blocking, ELISA.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, no stabilizers or preservatives.
Preservative:	Without preservative
Handling Advice:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	-20 °C

## Handling

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Storage Comment: 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

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Expiry Date: 12 months