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Anti-IgE Reference Antibody (omalizumab)

Recombinant Antibody
Catalog # APR10432

Specification

Anti-IgE Reference Antibody (omalizumab) - Product Information

Application	**FC, E, FTA**
Primary Accession	P0DOX4
Reactivity	**Cynomolgus, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**146.46 KDa**

Anti-IgE Reference Antibody (omalizumab) - Additional Information

Target/Specificity
IgE

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-IgE Reference Antibody (omalizumab) - Protein Information

Name IGE

Function
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).

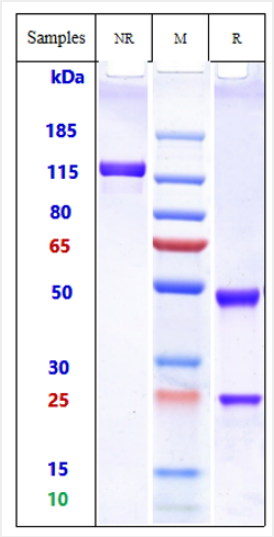
Cellular Location
Secreted. Cell membrane

Anti-IgE Reference Antibody (omalizumab) - Protocols

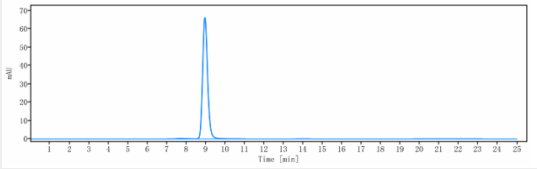
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IgE Reference Antibody (omalizumab) - Images



Anti-IgE Reference Antibody (omalizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IgE Reference Antibody (omalizumab)is more than 95% ,determined by SEC-HPLC.