

**Anti-IgE Reference Antibody (omalizumab)
Recombinant Antibody
Catalog # APR10432****Specification**

Anti-IgE Reference Antibody (omalizumab) - Product Information

Application	FC, E, FTA
Primary Accession	PODOX4
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](http://www.uniprot.org/citations/20176268) target="_blank">20176268, PubMed: [22158414](http://www.uniprot.org/citations/22158414) target="_blank">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

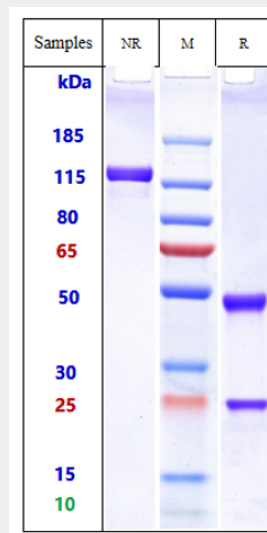
Secreted. Cell membrane

Anti-IgE Reference Antibody (omalizumab) - Protocols

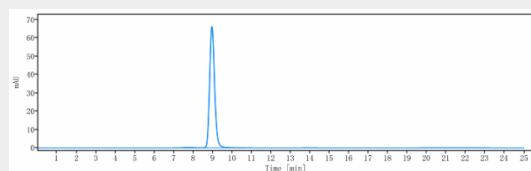
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.