10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-PA Reference Antibody (Raxibacumab)

Recombinant Antibody
Catalog # APR10536

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P13423
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	85811

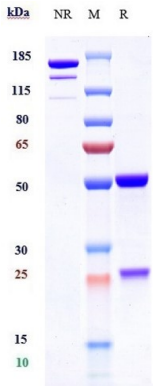
Additional Information

Target/Specificity	PA (Bacillus anthracis)
Endotoxin 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.

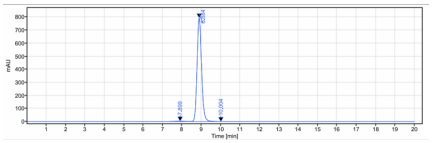
Protein Information

Name	pagA
Synonyms	pag
Function	Protective antigen constitutes one of the three proteins composing the anthrax toxin; it mediates attachment to host cells and translocation of edema factor (EF) and lethal factor (LF) into the host cytoplasm (PubMed:11700562, PubMed:14507921, PubMed:15243628, PubMed:15326297). PA associated with LF forms the lethal toxin (LeTx) and causes death when injected; PA associated with EF forms the edema toxin (EdTx) and produces edema (PubMed:1651334). PA induces immunity to infection with anthrax (PubMed:11544370).
Cellular Location	[Protective antigen]: Secreted. Host cell membrane Note=Secreted through the Sec-dependent secretion pathway (PubMed:12606539). Therefore, PA is translocated across the membrane in an unfolded state and then it is folded into its native configuration on the trans side of the membrane, prior to its release to the environment (PubMed:12606539). PA requires the extracellular chaperone PrsA for efficient folding (PubMed:12606539). It circulates in the host blood and binds host cell receptors at the cell surface (PubMed:11700562, PubMed:14507921).

Images



Anti-PA Reference Antibody (Raxibacumab) 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-PA Reference Antibody (Raxibacumab)is more than 98.88% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.