

**Anti-PA Reference Antibody (Raxibacumab)
Recombinant Antibody
Catalog # APR10536****Specification**

Anti-PA Reference Antibody (Raxibacumab) - Product Information

Application	FC, E, FTA
Primary Accession	P13423
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	142.96 KDa

Anti-PA Reference Antibody (Raxibacumab) - Additional Information**Target/Specificity**
PA Bacillus anthracis **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-PA Reference Antibody (Raxibacumab) - 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](http://www.uniprot.org/citations/11700562), PubMed: [14507921](http://www.uniprot.org/citations/14507921), PubMed: [15243628](http://www.uniprot.org/citations/15243628), PubMed: [15326297](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/1651334)). PA induces immunity to infection with anthrax (PubMed: [1651334](#)).

href="http://www.uniprot.org/citations/11544370" target="_blank">11544370).

Cellular Location

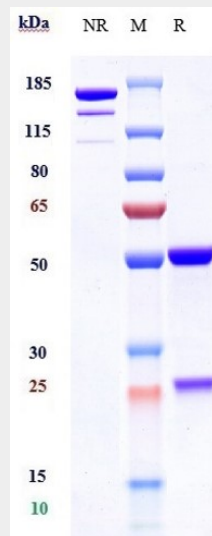
[Protective antigen]: Secreted. Host cell membrane Note=Secreted through the Sec-dependent secretion pathway (PubMed:12606539). Therefore, PA is translocated across the membrane in an unfolded state and then it is folded into its native configuration on the trans side of the membrane, prior to its release 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).

Anti-PA Reference Antibody (Raxibacumab) - Protocols

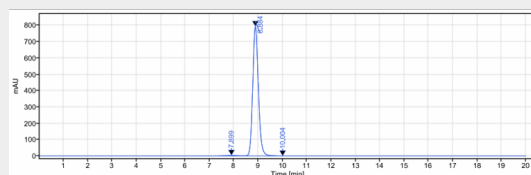
Provided below are standard protocols that you may find useful for product applications.

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

Anti-PA Reference Antibody (Raxibacumab) - 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.