



Anti-B. anthracis Protective Antigen Monoclonal antibody, Clone CAP0104 (DMAB3026)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Bacillus anthracis Protective Antigen
Specificity	Protective antigen of Bacillus anthracis. Does not cross-react with lethal factor antigen of B. anthracis, Y. pestis, F. tularensis or Toxoplasma gondii.
Target	B. anthracis Protective Antigen
Immunogen	Lethal factor antigen of Bacillus anthracis (vaccine strain STI-1)
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	B. anthracis
Clone	CAP0104
Affinity Constant	Not determined
Purification	>95% pure. Protein G Sepharose chromatography. Purity is tested by electrophoresis.
Conjugate	Unconjugated
Applications	Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs for sandwich immunoassay:

- **Capture**
[DMAB3031](#)
- **Detection**
[DMAB3026](#)

Format	Purified, Liquid
Concentration	1.7mg/ml (OD280nm, E0.1%=1.4)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction	Anthrax toxins are composed of three distinct proteins, a protective antigen (PA), a lethal factor (LF) and an edema factor (EF). None of these proteins are toxic by themselves and several studies indicate that the anthrax toxin has the familiar A-B enzymatic binding structure, with PA acting as the binding domain and EF and/or LF acting as the active fragments.
Keywords	Bacillus anthracis Protective Antigen; Anthrax; B. anthracis; Prot. Ag; anthrax PA; Anthrax toxins translocating protein; PA 83; PA; PA83; Pag; PagA; Protective antigen; Anthrax toxin