



Anti-B. anthracis Protective Antigen

Monoclonal antibody, Clone D4 (DMAB3031)

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	Purified protective antigen of Bacillus anthracis (vaccine strain STI-1)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	B. anthracis
Clone	D4
Affinity Constant	Not determined
Purification	>90% pure (SDS-PAGE). Protein G chromatography
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

[DMAB3031](#)

- **Detection**

[DMAB3026](#)

[DMAB3025](#)

Format	Purified, Liquid
Concentration	7.6mg/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