

***Bacillus anthracis* Spore Antigen Monoclonal Antibody**

ORDERING INFORMATION

Catalog Nos.: 18727 (SA26) and 18728 (SA27).

Size: 200 ug purified antibody in PBS, pH 7.4.

BACKGROUND

The vegetative form of *B. anthracis* forms spores when nutrients in the environment, such as amino acids, nucleosides, and glucose, become depleted. These spores can survive for many years and will germinate into the toxin-producing vegetative form of *B. anthracis* when they are exposed to a nutrient-rich environment.

SPECIFICATION SUMMARY

Antigen: Detergent extract of *B. anthracis* spores.

Host Species: Mouse

Antibody Class: IgG2a

Preservative: 0.1% NaN₃

SPECIFICITY

These antibodies recognize different epitopes of a 92 kD S-layer protein. They do not cross-react with *B. anthracis* PA, EF, LF, or vegetative forms. They also do not cross-react with spores or vegetative forms of *B. brevis*, *B. cereus*, *B. megaterium*, *B. subtilis*, or *B. thuringiensis*.

APPLICATIONS

Immunoblotting: use at 5 ug/ml.

Sandwich ELISA: use coating antibody (18727) at 5 ug/ml; use detect antibody (18728) at 1 ug/ml.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.