

## MRSA (Methicillin-resistant *Staphylococcus aureus*) Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 15715

**Size:** 500ug lyophilized purified antibody in PBS at a concentration of 1mg/ml.

### BACKGROUND

Methicillin-resistant *Staphylococcus aureus* (MRSA) survives treatment with broad-spectrum beta-lactam antibiotics including penicillin, methicillin, and cephalosporins. Previously, most MRSA infections occurred in hospitals or other health care settings, such as nursing homes and dialysis centers and were known as "health care-associated MRSA" or HA-MRSA. Older adults and people with weakened immune systems were most at risk of contracting HA-MRSA. More recently, another type of MRSA has occurred among otherwise healthy people in the wider community. This form, "community-associated MRSA", or CA-MRSA, causes serious skin and soft tissue infections and a potentially lethal form of pneumonia.

### SPECIFICATION SUMMARY

**Antigen:** Gel-purified MRSA protein.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Preservatives:** None

### SPECIFICITY

This antibody recognizes the product of the MRSA gene expressed by methicillin-resistant *Staphylococcus aureus*.

### APPLICATIONS

**ELISA:** use at a 1:5,000 dilution in direct ELISA against purified MRSA protein or MRSA-positive *Staphylococcus aureus* lysate.

**Immunoblotting:** use at a 1:2,000 dilution. A band of approx. 70 kDa is detected.

These are recommended dilutions. Enduser should determine optimal dilutions for their applications.

### RECONSTITUTION

Reconstitute with distilled H<sub>2</sub>O. Mix gently. Wash the sides of the vial and wait 30-60 seconds before use.

### DILUTION INSTRUCTIONS

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

### STORAGE AND STABILITY

This lyophilized product is stable for two years at 4°C. After reconstitution, store aliquots at -20°C.

*For in vitro investigational use only.*

*Not for use in therapeutic or diagnostic procedures.*