

Product datasheet

PSEUDOMONAS AERUGINOSA ANTIGEN O14 MOUSE MONOCLONAL ANTIBODY

SKU: MM-76614-100

100 µg

OVERVIEW

Clonality:

Monoclonal

Host:

Mouse

Reactivity:

Pseudomonas aeruginosa

Application:

Agglutination (10µg/assay), ELISA

Target:

Pseudomonas Aeruginosa antigen O14

Target background:

Pseudomonas aeruginosa is a Gram-negative bacterium widely distributed in nature and causing opportunistic infections in humans. *P. aeruginosa* is an important bacterial pathogen of nosocomial (hospital derived) infections, and it can also cause life threatening diseases in patients with cancer, burn wounds, cystic fibrosis and those that have received immunosuppressive therapy. Classification of *P. aeruginosa* isolates is an important and routine task in hospitals. The basis for the serotyping system for *P. aeruginosa* is the differences among the O antigen side chains of lipopolysaccharide (LPS). A large number of O antigen side chains have been established by various investigators around the world which led to the creation of a standardized serotyping system known as the International Antigenic Typing Scheme (IATS) with twenty characterized O serotype strains of *P. aeruginosa*.

Target alias:

P. Aeruginosa antigen O14, serotype 14

Immunogen:

Whole bacteria strain O14

Specificity:

The antibody recognizes the O14 serotype of *Pseudomonas aeruginosa* and it might cross-react with O13.

Clone ID:

MF45-3

Isotype:

IgM kappa

Preservative:

None

Format:

Lyophilized purified in PBS pH7.4

Recommend starting dilution:

Reconstitute with deionized water. Optimal dilution has to be determined by the user.

Limitations:

Research Use Only

References:

1.-Lam JS - LPS quantitation procedures.

Storage:

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image: