### DATASHEET

**Mouse anti-Pseudomonas aeruginosa antigenic serotype O16 (MF47-4)**

**PRODUCT NAME**

Pseudomonas aeruginosa antigenic serotype O16 antibody

**BACKGROUND INFORMATION**

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*.

**PRODUCT DESCRIPTION**

A highly sensitive antibody against serotype O16 of Pseudomonas aeruginosa.

**FORMAT**

100 µg of lyophilized antibody. **Reconstitute in 115 µl of distilled H2O.** It contains no additives.

**HOST**

Mouse

**CLONALITY**

Monoclonal

**ISOTYPE**

IgM kappa

**REACTIVITY / SPECIFICITY**

The antibody recognizes the O16 serotype of Pseudomonas aeruginosa and it might cross-react with O2, O5, O18 and O20. **Specific for:** Pseudomonas aeruginosa; other species not tested.

**APPLICATIONS**

Agglutination assays (10 assays), ELISA (E), Western blot (WB)

**RECOMMENDED STARTING DILUTIONS**

Optimal dilution has to be determined by the user.

**STORAGE**

Lyophilized antibody can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20°C) or for long-term storage (-80°C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

**STABILITY**

Minimum 1 year from reception date.

**REFERENCES**


LIMITATIONS This product is to be used for research purposes only.