

Mouse Pseudomonas Aeruginosa Antigen O11 Monoclonal Antibody

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CATALOG # AAA77833	HOST Mouse	REACTIVITY Pseudomonas aeruginosa	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Pseudomonas Aeruginosa Antigen O11; Monoclonal Antibody; Pseudomonas Aeruginosa antigen O11 Mouse Monoclonal Antibody; P. Aeruginosa antigen O11; serotype 11; anti-Pseudomonas Aeruginosa Antigen O11 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Pseudomonas aeruginosa
Clonality	Monoclonal
Isotype	IgM
Clone Number	MF55-1
Specificity	The antibody recognizes the O11 serotype of Pseudomonas aeruginosa.
Form/Format	Lyophilized purified in PBS pH7.4
Applicable Applications for anti-Pseudomonas Aeruginosa Antigen O11 antibody	ELISA, Agglutination
Immunogen	Whole bacteria strain O11
Preservative	None
Preparation and Storage	Lyophilized antibody can be kept at 4 degree C for up to 3 months and should be kept at -20 degree C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20 degree C) or for long-term storage (-80 degree C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

ADDITIONAL INFORMATION

Related Product Information for anti-Pseudomonas Aeruginosa Antigen O11 antibody	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.
References	1. Lam JS-LPS quantitation procedures. 2. Lam JS-Production and characterization of monoclonal antibodies against serotype strains of Pseudomonas aeruginosa. 3. Kneidinger B-Three highly conserved proteins catalyze the conversion of UDP-N-acetyl-D-glucosamine to precursors for the biosynthesis of O antigen in Pseudomona.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

