

Mouse anti-Human Piperacillin Monoclonal Antibody

Anti-Piperacillin Antibody

CATALOG # AAA59137	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Piperacillin; Monoclonal Antibody; Anti-Piperacillin Antibody; Piperacillin (Mouse monoclonal; Clone # D3); anti-Piperacillin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D3
Purity/Purification	>95% by HPLC & SDS-PAGE
Form/Format	Liquid Protein A or G purified and supplied in 10mM PBS without preservative.
Applicable Applications for anti-Piperacillin antibody	ELISA
Preparation and Storage	Aliquot and store at -20°C for long term (at least one year). Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-Piperacillin antibody	Background/Introduction: Piperacillin is a broad-spectrum beta-lactam antibiotic of the ureidopenicillin class. The chemical structure of piperacillin and other ureidopenicillins incorporates a polar side chain that enhances penetration into Gram negative bacteria and reduces susceptibility to cleavage by Gram negative beta lactamase enzymes. Piperacillin is most commonly used in combination with the beta-lactamase inhibitor tazobactam (Piperacillin/Tazobactam) (tradename "Zosyn" or "Tazocin"), which enhances piperacillin's effectiveness by inhibiting many beta lactamases to which it is susceptible.
References	1. Tan JS, File TM (1995). "Antipseudomonal penicillins". Medical Clinics of North America. 79 (4): 679-93.

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.