Penicillin monoclonal antibody, clone Pen 9

Catalog # MAB5192 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against Penicillin.
Immunogen	The benzylpenicilloyl group of penicillium conjugated with transferrin.
Host	Mouse
Specificity	Pen 9 reacts mainly with the thiazolidin ring of penicillin, but not with the lactam ring. The nature of the side chain in the penicilloyl group does not effect antibody binding as was shown by testing Pen 9 ag ainst benzylpenicillin, ampicillin, amoxillin and 6-aminopenicillanic acid. The presence of carrier prote in is not essential for the presentation of the antigen associated with Pen 9. Splenocytes were fused with X63-Ag8.653 cells.
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Publication Reference

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- PM Q-probe: A fluorescent binding protein that converts many antibodies to a fluorescent biosensor.

  Jinhua Dong, Chihiro Miyake, Takanobu Yasuda, Hiroyuki Oyama, Izumi Morita, Tomoya Tsukahara, Masaki Takahashi, Hee-Jin Jeong, Tetsuya Kitaguchi, Norihiro Kobayashi, Hiroshi Ueda.

  Biosensors & Bioelectronics 2020 Oct; 165:112425.

  Application: Func, Human, Human serum, Probe

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