

MONOCLONAL ANTIBODIES SPECIFIC FOR THE AVERMECTIN ANTIBODIES

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ABSTRACT

Avermectins are a class of potent, broad-spectrum antibiotic and pesticidal substances that are used in a wide array of applications. Extraction and instrumental analysis methods for avermectins are complex, lengthy and expensive, making immunoassay a desirable alternative. The University of California, Berkeley, at its Hybridoma Facility has developed monoclonal antibodies that have specificity to the following avermectins:

Aver. B2A2 MAb that recognizes ivermectin, abamectin, but not avermectin A2

Aver. C4D6 MAb with preference for ivermectin

Aver. B11C2 MAb that recognizes ivermectin, abamectin, and avermectin A2

Aver. C1A3 Similar to MAb B2A2

Aver. C5D6 Similar to MAb C4D6

Reference;

Karu et al. Avermectins Detection with Monoclonal Antibodies 1990. ACS Symposium Series No. 442 Immunochemical Methods for Environmental Analysis. pp95-111.

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OTHER INFORMATION

KEYWORDS

antibody, research tool

CATEGORIZED AS

» **Research Tools**

» **Antibodies**

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