

MabyRab™ product information for

Aspergillus species

I. Monoclonal Antibody (Rabbit) Specificity

Product No.'s	Ig class	
5145	NA	IgG Reactive with a secreted hyphal antigen from all Aspergillus species tested*. IFA, IHC & ELISA (self-pairs).
5146	NA	IgG Reactive with a secreted hyphal antigen from all Aspergillus species tested*. IFA & ELISA.
5144	NA	IgG Reactive with a secreted hyphal antigen from all Aspergillus species tested*. FA & ELISA.

II. Purified Preparations

Product No.'s	5145
	5146
	5144

RabMAB® purified preparations consist of >90% pure rabbit monoclonal antibody which has been purified from culture medium by protein A chromatography or sequential differential precipitations. The final preparation is formulated to a protein concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Each vial contains 1.0 ml. This product contains no stabilizing proteins and should be stored at 2-8°C until ready for use.

Working dilution must be determined by the user. Suggested starting ranges are 1:10-1:50 for IFA and 1:20-1:200 for ELISA.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

III. Fluorescein Conjugates

Product No.'s	NA
	NA
	NA

These MONOTOPE™ products consist of purified monoclonal antibody conjugated with high purity isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product. The final preparation is formulated to an antibody concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 containing 0.1% sodium azide plus bovine serum albumin at 10 mg/ml. Each vial contains 1.0 ml. This product should be stored at 2-8°C until ready for use. Avoid repeated freeze-thawing by storing multiple aliquots at -20°C. Applications for these products include direct FA staining of target antigen in a permissive tissue culture system. Working strength must be determined by the user for each specific application but a starting range of 1:5 - 1:20 is recommended. Acetone fixation of the antigen source is recommended prior to staining.

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Comments: * Reactive with 9 Aspergillus species including 6 strains of A. fumigatus. Cross reactivity data given on accompanying page.

ViroStat Rabbit Monoclonal Antibodies to Aspergillus species - Cross Reactivity Results*

Organism	5145	5144	5146
1. Aspergillus fumigatus ATCC 204305	+	+	+
2. Aspergillus fumigatus BEI NR-41311	+	+	+
3. Aspergillus fumigatus BEI NR-35301	+	+	+
4. Aspergillus fumigatus BEI NR-35302	+	+	+
5. Aspergillus fumigatus BEI NR-35303	+	+	+
6. Aspergillus fumigatus BEI NR-41312	+	+	+
7. Aspergillus niger ATCC 16888	+	+	+
8. Aspergillus flavus ATCC 9643	+	+	+
9. Aspergillus oryzae ATCC 10124	+	+	+
10. Aspergillus brasiliensis ATCC 9642	+	+	+
11. Aspergillus ustus ATCC 10760	+	+	+
12. Aspergillus caesiellus ATCC 42693	+	+	+
13. Aspergillus terreus Thom ATCC 1012	+	+	+
14. Aspergillus nidulans ATCC 10074	+	+	+
15. Penicillium chrysogenum ATCC 10106	+	+	+
16. Penicillium digitatum ATCC 48113	+	+	+
17. Paecilomyces variotii ATCC 18502	+	+	+
18. Talaromyces (Penicillium) marneffeii	-	-	-
19. Cladosporium cladosporioides ATCC 16022	-	-	-
20. Magnusiomyces capitatus ATCC 28576	-	-	-
21. Alternaria alternata ATCC 66981	-	-	-
22. Lishtheimia ramosa ATCC 22754	-	-	-
23. Trichophyton interdigitale ATCC 9533	-	-	-
24. Trichophyton rubrum ATCC 28188	-	-	-
25. Candida albicans^	-	-	-
26. Candida parapsilosis^	-	-	-
27. Candida glabrata^	-	-	-
28. Candida tropicalis^	-	-	-
29. Candida krusei^	-	-	-
30. Coccidioides immitis	-	-	-
31. Histoplasma capsulatum	+	-	-

*determined by indirect ELISA using exoantigens from culture media for coating

^determined by indirect immunofluorescence