invitrogen™ | MOLECULAR PROBES®

PRODUCT INSERT

MOUSE ANTI-RAT NKR-P1A

Product Code	Form	Volume	Antibody*	Excitation (nm)	Peak Emission (nm)	Matching Isotype Controls	
MR6800	Purified	1.0 ml	200 µg	N/A	N/A	Mouse IgG1 Purified	Code MG100
MR6815	Biotin	1.0 ml	100 µg	N/A	N/A	Mouse IgG1 Biotin	Code MG115
MR6804	PE	0.5 ml	50 µg	488	575	Mouse IgG1 PE	Code MG104
MR6804-3	PE	3.0 ml	300 µg				
MR6805	APC	0.5 ml	100 µg	600-650	660	Mouse IgG1 APC	Code MG105

PRODUCT DESCRIPTION

Mouse Anti-Rat NKR-P1A

Clone: 10/78

Isotype: Mouse IgG1

Lot No.: See label **Expiration:** See label

Buffer: Phosphate buffered saline (PBS)

Preservatives: 0.1% ***sodium azide.*** Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

Stabilizer: For conjugated products only, a highly purified grade of BSA has been added as a stabilizing agent.

STORAGE & HANDLING

Store reagents at 2-8°C. Light exposure should be avoided with fluorochrome conjugated reagents. Use dim light during handling, incubation with cells and prior to analysis. It is recommended that cells be analyzed within 18 hours of staining. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

PRODUCT CHARACTERIZATION

Antigen Specificity: The 10/78 monoclonal antibody (mAb) reacts with rat NKR-PIA which is expressed by NK cells and NKT cells.

PRODUCT QUALITY CONTROL

Every lot is tested by flow cytometry using freshly harvested rat splenocytes. From this testing it is recommended that between 0.1 and 0.25 µg of antibody be used per 1 x 10^6 cells in a 100 µl staining volume. Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application

REFERENCES:

1. Chambers, W. H., N. L. Vujanovic, A. B. DeLeo, M.W. Olszowy, R.B. Herberman, and J.C. Hiserodt. 1989. Monoclonal antibody to a triggering structure expressed on rat natural killer cells and adherent lymphokine-activated killer cells. *J. Exp. Med*. 169: 1373-1389.
2. Ryan, J. C., E. C. Niemi, M.C. Nakamura, and W. E. Seaman. 1995. NKR-P1A is a targeted-specific receptor that activates natural killer cell cytotoxicity. *J. Exp. Med.* 181: 1911-1915.

* The amount of antibody is determined by measuring the optical density using a spectrophotometer. The antibody titer is verified by immunofluorescent staining and flow cytometric analysis.

FOR RESEARCH USE ONLY. . . NOT FOR THERAPEUTIC OR IN VITRO DIAGNOSTIC USE

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