

Product Data Sheet

Alexa Fluor® 488 anti-mouse DC Marker (33D1)

Catalog # / Size: 124910 / 100 µg

Clone: 33D1

Isotype: Rat IgG2b, κ

Immunogen: Mouse dendritic cells

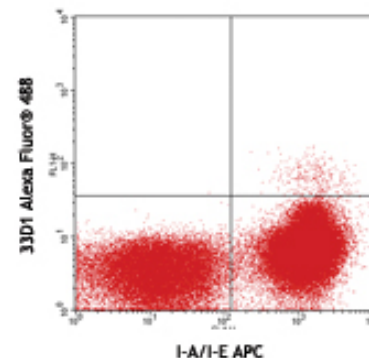
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 splenocytes stained with I-A/I-E (M5/114.15.2) APC and 33D1 Alexa Fluor® 488

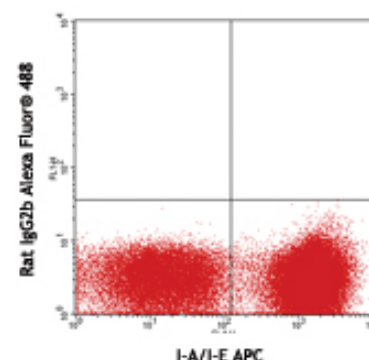
Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

** Alexa Fluor® 488 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 488 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.



C57BL/6 splenocytes stained with I-A/I-E (M5/115) APC and Alexa Fluor® 488 rat IgG2b isotype control

Application References: 1. Crowley MT, *et al.* 1990. *J. Immunol. Methods* 133:55.
2. Nussenzweig MC, *et al.* 1982. *P. Natl. Acad. Sci. USA* 79:161.

Description: 33D1 antigen, also known as DCIR2 (dendritic cell inhibitory receptor 2), is reported to be a dendritic cell marker on subpopulation DC in spleen, thymus, Peyer's patch. It is reported that most N418 (CD11c)+ cells in spleen are also 33D1 positive. Bone marrow dendritic cells upregulate 33D1 antigen expression after incubation with GM-CSF.

Related Products:Product	Clone	Application
Alexa Fluor® 488 Rat IgG2b, κ Isotype Ctrl	RTK4530	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC



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