

CD4 Monoclonal Antibody (RM4-5), Pacific Orange, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotope	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	RM4-5
Conjugate	Pacific Orange™
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2815349

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

Product Specific Information

Description: The RM4-5 monoclonal antibody reacts with the mouse CD4 molecule, a 55 kDa cell surface receptor expressed by a majority of thymocytes, subpopulation of mature T cells and dendritic cells. CD4 binds to MHC class II on the surface of antigen presenting cells and plays an important role both in T cell development and in optimal functioning of mature T cells. In T cells, CD4 associates with protein tyrosine kinase p56lck through its cytoplasmic tail. Binding of RM4-5 is blocked by GK1.5.

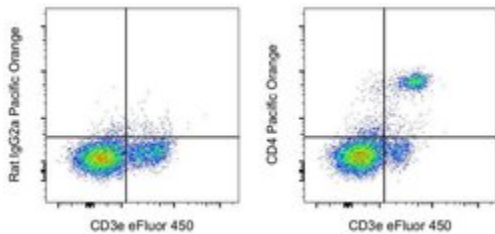
Applications Reported: This RM4-5 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This RM4-5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Pacific Orange emits at 551 nm and is excited with the violet laser line (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 551 nm; Laser: Violet Laser.

Product Images For CD4 Monoclonal Antibody (RM4-5), Pacific Orange, eBioscience™



CD4 Antibody (79-0042-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, eFluor 450 (Product # 48-0031-82) and 0.125 μ g of Rat IgG2a kappa Isotype Control, Pacific Orange (Product # 79-4321-81) (left) or 0.125 μ g of CD4 Monoclonal Antibody, Pacific Orange (right). Cells in the lymphocyte gate were used for analysis.

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