

MHC Class II (I-A) Monoclonal Antibody (NIMR-4), FITC, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Rat / IgG2b
Class	Monoclonal
Type	Antibody
Clone	NIMR-4
Conjugate	FITC
Form	Liquid
Concentration	0.5 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_465235

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	11 Publications
Immunohistochemistry (IHC)	-	1 Publication

Product Specific Information

Description: The monoclonal antibody NIMR-4 reacts specifically with a non-polymorphic I-A-encoded epitope on MHC Class II antigens. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells and certain epithelial cells. MHC Class II molecules are important for the selection of the TCR repertoire during the processes of positive and negative selection. MHC Class II expression is required for the positive selection of CD4+ T cells.

Applications Reported: This NIMR-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This NIMR-4 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 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.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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