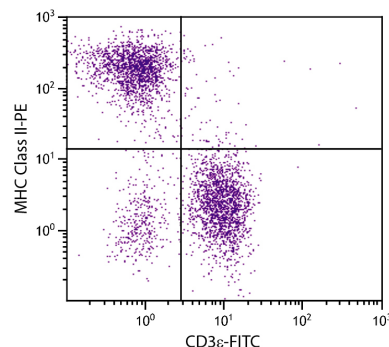




## Rat Anti-Mouse MHC Class II

Cat. No.	Format	Size
1895-01	Purified (UNLB)	0.5 mg
1895-02	Fluorescein (FITC)	0.5 mg
1895-08	Biotin (BIOT)	0.5 mg
1895-09	R-phycoerythrin (PE)	0.1 mg
1895-09L	R-phycoerythrin (PE)	0.2 mg
1895-11	Allophycocyanin (APC)	0.1 mg
1895-13	Spectral Red® (SPRD)	0.1 mg
1895-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse MHC Class II-PE (SB Cat. No. 1895-09) and Rat Anti-Mouse CD3ε-FITC (SB Cat. No. 1535-02).

## Overview

<b>Clone</b>	NIMR-4
<b>Isotype</b>	Rat IgG <sub>2b</sub> K
<b>Immunogen</b>	Unknown
<b>Specificity</b>	Mouse MHC Class II
<b>Alternate Name(s)</b>	I-A antigen

## 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.

## Applications

FC – Quality tested <sup>4-13</sup>  
 IHC-FS – Reported in literature <sup>1</sup>  
 ICC – Reported in literature <sup>1,2</sup>  
 Sep – Reported in literature <sup>3</sup>

## Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	FITC and BIOT conjugates	≤ 1 µg/10 <sup>6</sup> cells
	PE, APC, and SPRD conjugates	≤ 0.1 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	

<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
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**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

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Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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Spectral Red® is a PE/CY5 tandem conjugate.

Cy™ is a trademark of Cytiva or one of its subsidiaries.