

Product datasheet for **AM31877RP-N**

MHC Class II (I-Ab,d) Mouse Monoclonal Antibody [Clone ID: 25-9-17S]

Product data:

Product Type:	Primary Antibodies
Clone Name:	25-9-17S
Applications:	FC
Recommended Dilution:	Flow Cytometry (See Protocols).
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C3H.SW splenocytes. Donor: C3H lymphoid cells. Fusion Partner: Sp2/0-Ag14
Specificity:	This Monoclonal Antibody reacts with I-Ab and I-Ad antigens. Cross reaction with H-2p and H-2q was also found.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml Label: PE State: Liquid purified Ig fraction Label: R-Phycoerythrin
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Note:

Protocol: **FLOW CYTOMETRY ANALYSIS:**

Method:

1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium.
2. Wash 2 times.
3. Resuspend the cells to a concentration of 2×10^7 cells/ml in media A. Add 50 μ l of this suspension to each tube (each tube will then contain 1×10^6 cells, representing 1 test).
4. To each tube, add 0.5 μ g* of AM31877RP-N per 10^6 cells.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4°C.
(It is recommended that the tubes are protected from light, since most fluorochromes are light sensitive.)
7. Wash 2 times at 4°C.
8. Resuspend the cell pellet in 50 μ l ice cold media B.
9. Transfer to suitable tubes for flow cytometric analysis containing 15 μ l of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA.

Media:

A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 μ l of 2M sodium azide in 100 mls).

B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 μ l of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: C57BL/6
Cell Concentration : 1×10^6 cells per test.
Antibody Concentration Used: 0.5 μ g/ 10^6 cells.
Isotypic Control: PE Mouse IgG2a

Cell Source Percentage of cells stained above control:

Thymus: 20.2%
Spleen: 60.2%
Lymph Node: 34.5%

Strain Distribution by Flow Cytometry Analysis:

Antibody Concentration Used: 0.5 μ g / 10^6 cells
Strain Testd: See Figure 2.

Product images:

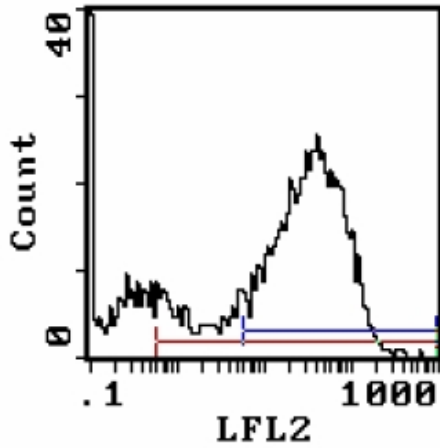


Figure 1. Cell Source: Spleen. Percentage of cells stained above control:60.2%

Strain	H-2 Loci Alleles								+/-
	K	A _u	A _d	E _u	E _d	C4	C4S	D	
C57BL/6	b	b	b	b	b	b	b	b	+
C3H/He	k	k	k	k	k	k	k	k	-
BALB/c	d	d	d	d	d	d	d	d	+
DBA/1	q	q	q	q	q	q	q	q	(+/-)
SJL	s	s	s	s	s	s	s	s	-
B10.M	f	f	f	f	f	f	f	f	-
A.TH	s	s	s	s	s	s	s	d	-
A.TL	s	k	k	k	k	k	k	d	-
B10.A(3R)	b	b	b	b/k	k	d	d	d	+
P/J	p	p	p	p	p	p	p	p	(+/-)

Figure 2.