

Product datasheet for **CL053R**

LOC102641613 Mouse Monoclonal Antibody [Clone ID: 34-5-8S]

Product data:

Product Type:	Primary Antibodies
Clone Name:	34-5-8S
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recipient: C3H/HeJ Immunocyte Donor: B6 x DBA/2 spleen cells Fusion Partner: SP2/0.Ag14
Specificity:	This monoclonal antibody is specific for cells expressing the H-2D antigen coded for by the d haplotype. The reaction pattern of this antibody with a panel of inbred and recombinant haplotypes demonstrates that the antibody detects a private determinant (H-2.4) of the H-2Dd antigen. This antibody can be used to quantitate cells bearing the H-2Dd (H-2.4) antigen from the appropriate strains of mice.
Formulation:	PBS, 0.02% Na ₃ N and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: PE State: Liquid purified Ig
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	H-2 class I histocompatibility antigen, D-D alpha chain



[View online »](#)

Database Link: [Entrez Gene 102641613 Mouse P01900](#)

Synonyms: H2-D1, H-2D(D)

Note: Protocol: **FLOW CYTOMETRY ANALYSIS:**

Method:

1. Prepare cell suspension in Media A. For cell preparations, deplete the red blood cell population with Lympholyte®-Mouse cell separation media.
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 0.2- 0.5ug of this Ab 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.
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 phosphate buffered saline. (This stains dead cells by intercalating DNA.)

MEDIA:

- A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 μ l of 2 M sodium azide in 100 mls).
- B. Phosphate buffered saline (pH 7.2) + 0.5% bovine serum albumin + sodium azide (100 μ l of 2 M sodium azide in 100 mls).

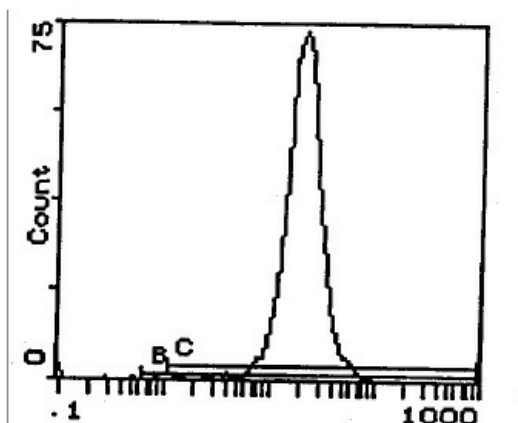
FLOW CYTOMETRIC ANALYSIS:

Mouse Strain: BALB/c
Cell Concentration: 1×10^6 cells per test
Antibody Concentration: 0.5ug / 10^6 cells
Isotypic Control: PE Mouse IgG2a

Strain Distribution by Flow Cytometry Analysis:

Cell Concentration: 1×10^6 cells per test
Antibody Concentration Used: 0.5 μ g/ 10^6 cells
Strains Tested: BALB/c, C57BL/6, CBA/J, C3H/He
Positive: BALB/c
Negative: C57BL/6, CBA/J, C3H/He

Product images:



LFL2 - Cell source: Spleen - Percentage of cells stained above control: 98.2%