

Product datasheet for **CL060PE**

MHC Class I H-2Ld Mouse Monoclonal Antibody [Clone ID: 30-5-7S]

Product data:

Product Type:	Primary Antibodies
Clone Name:	30-5-7S
Applications:	FC
Recommended Dilution:	Flow Cytometry (see protocol).
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recipient: BALB/c-H-2dm2 Donor: BALB/c Spleen cells Fusion Partner: SP2/0.Ag14
Specificity:	This monoclonal antibody detects the public specificity H-2.65 of the H-2Ld antigen. This antibody also recognizes H-2Dq and H-2Lq molecules.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as stabilizing protein to bring the protein concentration to 4-5 mg/ml Label: PE State: Liquid purified IgG fraction
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Avoid prolonged exposure to Light
Stability:	Shelf life: one year from despatch.
Database Link:	P01897
Synonyms:	H2-L



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Note: Protocol: **Flow Cytometry Analysis:**

Method:

1. Prepare cell suspension in Media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M 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 2.0 μ g of this Antibody CL060PE 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 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 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).

Results in Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells/test

Antibody Concentration Used: 2.0 μ g/ 10^6 cells

Isotype Control: PE Mouse IgG2a

Cell Source - % of cells stained above Control:

Spleen: 97.3%

Thymus: 87.1%

Lymph Node: 98.5%

Strain Distribution:

Procedure: As above

Antibody Concentration: 1/20

Strains Tested: See **Figure 2**

Product images:

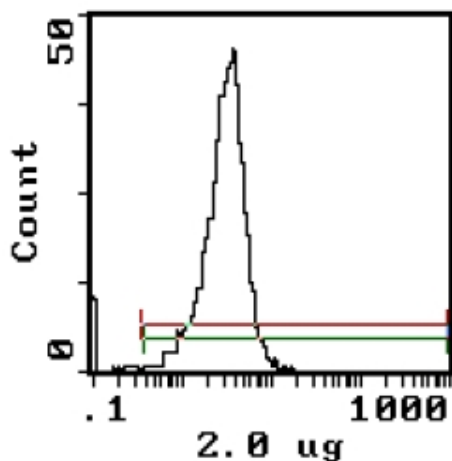


Figure 1.

Strain	Haplotype	+/-
BALB/c	H-2 ^d	+
A.TH	H-2K ^s D ^d	+
A.TL	H-2K ^s D ^d	+
B.10A(3R)	H-2K ^b D ^d	+
C3H/He	H-2 ^k	-
C57BL/6	H-2 ^b	-

Figure 2.