

PE/Cyanine5 Anti-Mouse H-2 Antibody[M1/42]

Catalog Number: E-AB-F1216UG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	M1/42
Isotype Control	PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833G]
Conjugation	PE/Cyanine 5
Conjugation Information	PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

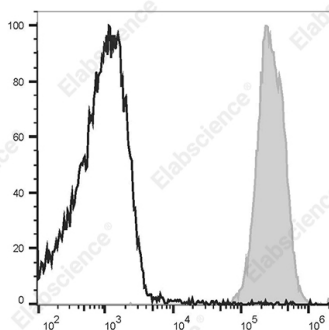
Applications

FCM

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume].

Data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse H-2 Antibody[M1/42] (filled gray histogram) or PE/Cyanine5 Rat IgG2a, κ Isotype Control (empty black histogram).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	MHC I; Mouse major histocompatibility complex (MHC) H-2
Uniprot ID	P06345
Gene ID	111364

For Research Use Only

Background

The M1/42 antibody reacts with the H-2 MHC class I alloantigens expressed on nucleated cells from mice of the a, b, d, j, k, s, and u haplotypes (Stallcup, KC et al, 1981). MHC class I is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins.