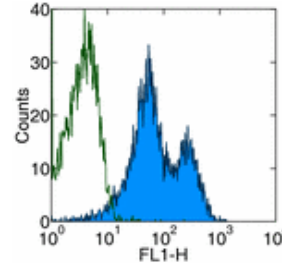


Product Information

Contents: Fluorescein isothiocyanate (FITC) anti-mouse MHC class I, H-2K<sup>d</sup>/H-2D<sup>d</sup>  
Catalog Number: 11-5998  
Sizes: 50 ug, 100 ug, 500 ug  
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C. DO NOT FREEZE.  
LIGHT-SENSITIVE MATERIAL.  
Clone: 34-1-2S  
Isotype: Mouse IgG2a, κ



Surface staining of mouse splenocytes with anti-mouse MHC Class I (34-1-2S) FITC. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-5998	FITC anti-mouse MHC Class I	488	518	FC
12-5998	PE anti-mouse MHC Class I	488	575	FC
13-5998	Biotin anti-mouse MHC Class I	N/A	N/A	FC
14-5998	Affinity Purified anti-mouse MHC Class I	N/A	N/A	FC
16-5998	Functional Grade* Purified anti-mouse MHC Class I	N/A	N/A	FC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The 34-1-2S monoclonal antibody reacts with the mouse MHC class I, H-2K<sup>d</sup> and H-2D<sup>d</sup>. This cytotoxic antibody also cross-reacts with K<sup>b,s,r,q,p</sup>.

Usage

For research use only, not for diagnostic or therapeutic use. 34-1-2S has been reported for use in flow cytometric analysis.

Applications Tested

The 34-1-2S antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions and can be used at less than or equal to 1 μg/million cells. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Ozato, K., T. H. Hansen, et al. (1980). "Monoclonal antibodies to mouse MHC antigens. II. Antibodies to the H-2Ld antigen, the products of a third polymorphic locus of the mouse major histocompatibility complex." J Immunol 125(6): 2473-7.