

Product Information

Contents: Affinity Purified anti-mouse MHC class I, H-2K^d/H-2D^d

Catalog Number: 14-5998

Sizes: 50 ug, 100 ug, 500 ug

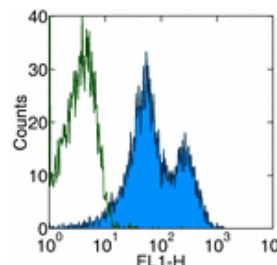
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

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^d and H-2D^d. This cytotoxic antibody also cross-reacts with K^{b,s,r,q,p}.

Usage

For research use only, not for diagnostic or therapeutic use. 34-1-2S has been reported for use in flow cytometric analysis, immunohistochemical staining of frozen mouse tissue sections, and complement-dependent cytotoxicity.

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.

Related Products

Cat. 11-4011	FITC Anti-Mouse IgG
Cat. 13-4013	Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317	Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317	Streptavidin-PE (Phycoerythrin)
Cat. 17-4317	Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4724	Affinity Purified Mouse IgG2a, K Isotype Control

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.

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