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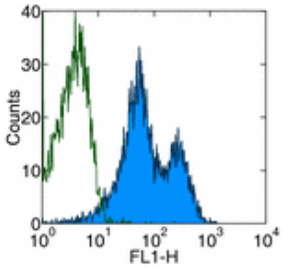
## Product Information

Contents: Biotin anti-mouse MHC class I, H-2K$^d$/H-2D$^d$
Catalog Number: 13-5998
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% $NaN_3$
Storage Conditions: Store at 4°C. DO NOT FREEZE.
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.

## 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. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 13-4724 Biotin 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.