

MHC Class I (H-2Kd/H-2Dd) Monoclonal Antibody (34-1-2S), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotope	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	34-1-2S
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573250

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	3 Publications

Product Specific Information

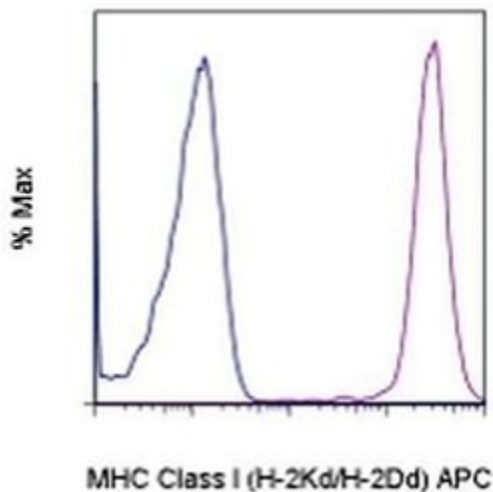
Description: The 34-1-2S monoclonal antibody reacts with the mouse MHC class I, H-2Kd and H-2Dd. This cytotoxic antibody also cross-reacts with Kb, s, r, q, p.

Applications Reported: This 34-1-2S antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 34-1-2S antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



MHC Class I (H-2Kd/H-2Dd) Antibody (17-5998-82) in Flow

Staining of BALB/c splenocytes with 0.125 µg of Mouse IgG2a K Isotype Control APC (Product # 17-4724-81) (blue histogram) or 0.125 µg of Anti-Mouse MHC Class I (H-2Kd/H-2Dd) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

3 References

Flow Cytometry (3)

PloS one

Amniotic fluid stem cells prevent follicle atresia and rescue fertility of mice with premature ovarian failure induced by chemotherapy.

"Published figure using MHC Class I (H-2Kd/H-2Dd) monoclonal antibody (Product # 17-5998-82) in Flow Cytometry"

Authors: Xiao GY,Liu IH,Cheng CC,Chang CC,Lee YH,Cheng WT,Wu SC

Species

Not Applicable

Dilution

Not Cited

Year

2015

PloS one

Isolation and characterization of novel murine epiphysis derived mesenchymal stem cells.

"Published figure using MHC Class I (H-2Kd/H-2Dd) monoclonal antibody (Product # 17-5998-82) in Flow Cytometry"

Authors: Cheng CC,Lian WS,Hsiao FS,Liu IH,Lin SP,Lee YH,Chang CC,Xiao GY,Huang HY,Cheng CF,Cheng WT,Wu SC

Species

Not Applicable

Dilution

Not Cited

Year

2012

[View more Flow references on thermofisher.com](#)

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