

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

Product Details	
Size	100 µg
Species	Mouse
Published Species	Mouse
Expression System	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	34-1-2S
Conjugate	PE
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_466122

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	5 Publications

## Product Specific Information

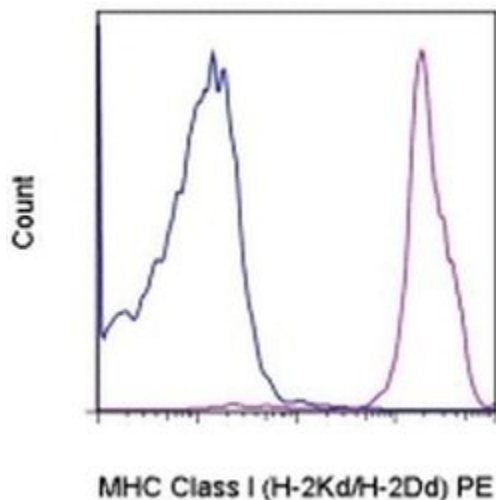
**Description:** The 34-1-2S monoclonal antibody reacts with the mouse MHC class I, H-2Kd and H-2Dd. This cytotoxic antibody also cross-reacts with Kb, s, r, q, p.

**Applications Reported:** 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 splenocytes and 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



### MHC Class I (H-2Kd/H-2Dd) Antibody (12-5998-82) in Flow

Staining of BALB/c splenocytes with 0.125 µg of Mouse IgG2a K Isotype Control PE (Product # 12-4724-81) (blue histogram) or 0.125 µg of Anti-Mouse MHC Class I (H-2Kd/H-2Dd) PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

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## 5 References

### Flow Cytometry (5)

#### Immunity

### Tissue-Resident Macrophages in Pancreatic Ductal Adenocarcinoma Originate from Embryonic Hematopoiesis and Promote Tumor Progression.

"12-5998 was used in Flow cytometry/Cell sorting to uncover the heterogeneity of TAM origin and functions and could provide therapeutic insight for PDAC treatment."

Authors: Zhu Y, Herndon JM, Sojka DK, Kim KW, Knolhoff BL, Zuo C, Cullinan DR, Luo J, Bearden AR, Lavine KJ, Yokoyama WM, Hawkins WG, Fields RC, Randolph GJ, DeNardo DG

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2017

#### PloS one

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

"12-5998 was used in Flow cytometry/Cell sorting to demonstrate the therapeutic effects of AFSCs and suggest the use of AFSCs for treating infertility and POF."

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

**Species**  
Mouse  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2015

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

## More applications with references on thermofisher.com

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