

MHC Class I (H-2Kd) Monoclonal Antibody (SF1-1.1.1), PE, eBioscience™

Product Details	
Size	100 µg
Species	Mouse
Published Species	Artificial Control, Mouse
Expression System	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SF1-1.1.1
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_2043875

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	8 Publications

Product Specific Information

Description: This SF1-1.1.1 monoclonal antibody reacts with the H-2Kd MHC class I alloantigen. H-2Kd is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. b, j, k, p, q, s, and v) has not been observed.

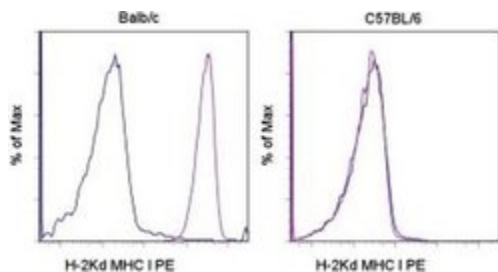
Applications Reported: This SF1-1.1.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This SF1-1.1.1 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: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For MHC Class I (H-2Kd) Monoclonal Antibody (SF1-1.1.1), PE, eBioscience™



MHC Class I (H-2Kd) Antibody (12-5957-82) in Flow

Staining of BALB/c (left) and C57BL/6 (right) splenocytes with 0.125 µg of Mouse IgG2a kappa Isotype Control PE (Product # 12-4724-81) (blue histogram) or 0.125 µg of Anti-Mouse MHC Class I (H-2Kd) PE (purple histogram). Total viable cells were used for analysis.

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

8 References

Flow Cytometry (8)

Stem cell research and therapy

Multipotency of mouse trophoblast stem cells.

"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 12-5957-82) in Flow Cytometry"

Authors: Hou M, Han J, Li G, Kwon MY, Jiang J, Emani S, Taglauer ES, Park JA, Choi EB, Vodnala M, Fong YW, Emani SM, Rosas IO, Perrella MA, Liu X

Species

Artificial Control

Dilution

Not Cited

Year

2020

Immunity

Quiescent Tissue Stem Cells Evade Immune Surveillance.

"12-5957 was used in Flow cytometry/Cell sorting to identify a link between stem cell quiescence, antigen presentation, and immune evasion."

Authors: Agudo J, Park ES, Rose SA, Alibo E, Sweeney R, Dhainaut M, Kobayashi KS, Sachidanandam R, Baccarini A, Merad M, Brown BD

Species

Mouse

Dilution

Not Cited

Year

2018

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

More applications with references on thermofisher.com

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