

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SF1-1.1.1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1582234

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	7 Publications

## Product Specific Information

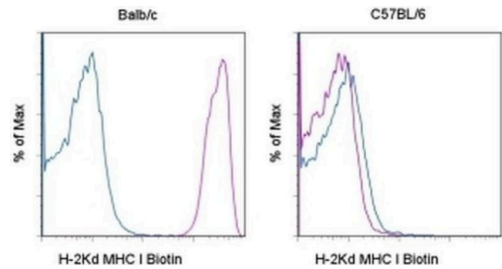
**Description:** This SF1-1.1.1 monoclonal antibody reacts with the H-2Kd MHC class I alloantigen. H-2Kd is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. b, j, k, p, q, s, and v) has not been observed.

**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 Balb/c 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 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.

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

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



MHC Class I (H-2Kd) Antibody (13-5957-82) in Flow

Staining of BALB/c (left) and C57BL/6 (right) splenocytes with 0.125 µg of Mouse IgG2a K Isotype Control Biotin (Product # 13-4724-85) (blue histogram) or 0.125 µg of Anti-Mouse MHC Class I (H-2Kd) Biotin (purple histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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7 References

Flow Cytometry (7)

Communications biology	Year 2021
<b>Patient-derived xenograft culture-transplant system for investigation of human breast cancer metastasis.</b>	
"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 13-5957-82) in Flow Cytometry"	
Authors: Ma D,Hernandez GA,Lefebvre AEYT,Alshetaiwi H,Blake K,Dave KR,Rauf M,Williams JW,Davis RT,Evans KT, Longworth A,Masoud MYG,Lee R,Edwards RA,Digman MA,Kessenbrock K,Lawson DA	
Stem cell research & therapy	Year 2020
<b>Multipotency of mouse trophoblast stem cells.</b>	
"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 13-5957-82) 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	

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