

MHC Class I (H-2Kd) Monoclonal Antibody (SF1-1.1.1), eFluor™ 450, eBioscience™

Product Details	
Size	25 µg
Published Species	Mouse
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SF1-1.1.1
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10804635

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	5 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 0.5 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.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Flow Cytometry (5)

<p>Communications biology</p> <p>Patient-derived xenograft culture-transplant system for investigation of human breast cancer metastasis.</p> <p>"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 48-5957-82) in Flow Cytometry"</p> <p>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</p>	<p>Year 2021</p>
<p>Stem cell research & therapy</p> <p>Multipotency of mouse trophoblast stem cells.</p> <p>"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 48-5957-82) in Flow Cytometry"</p> <p>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</p>	<p>Year 2020</p>

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