

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Artificial Control, 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
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_10804636

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	3 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.

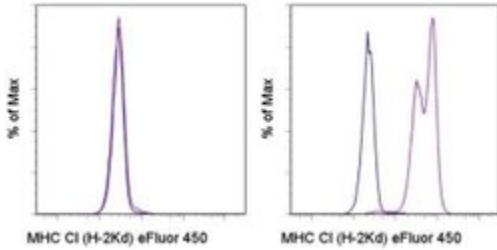
Applications Tested: This SF1-1.1.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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 fluorochrome.

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

Filtration: 0.2 µm post-manufacturing filtered.

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



MHC Class I (H-2Kd) Antibody (48-5957-82) in Flow

Staining of C57Bl/6 (left) and BALB/c (right) splenocytes with 0.25 µg of Mouse IgG2a K Isotype Control eFluor® 450 (Product # 48-4724-82) (blue histogram) or 0.25 µg of Anti-Mouse MHC Class I (H-2Kd) eFluor® 450 (purple histogram). Total viable cells were used for analysis.

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

3 References

Flow Cytometry (3)

Journal of translational medicine

A therapeutic cancer vaccine against GL261 murine glioma.

"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 48-5957-82) in Flow Cytometry"

Authors: Kindy MS, Yu J, Zhu H, Smith MT, Gattoni-Celli S

Species
Mouse

Dilution
Not Cited

Year
2016

European journal of immunology

Dietary gluten increases natural killer cell cytotoxicity and cytokine secretion.

"Published figure using MHC Class I (H-2Kd) monoclonal antibody (Product # 48-5957-82) in Flow Cytometry"

Authors: Larsen J, Dall M, Antvorskov JC, Weile C, Engkilde K, Josefsen K, Buschard K

Species
Not Applicable

Dilution
Not Cited

Year
2014

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

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