

MHC Class I (H-2Kb) Monoclonal Antibody (AF6-88.5.5.3), PE, eBioscience™

| Product Details | |
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| Size | 100 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse, Human |
| Host/Isotype | Mouse / IgG2a, kappa |
| Recommended Isotype Control | Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | AF6-88.5.5.3 |
| Conjugate | PE |
| Excitation/Emission Max | 565/576 nm |
| Form | Liquid |
| Concentration | 0.2 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_10598797 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|-----------------|
| Flow Cytometry (Flow) | 0.25 µg/test | 27 Publications |

Product Specific Information

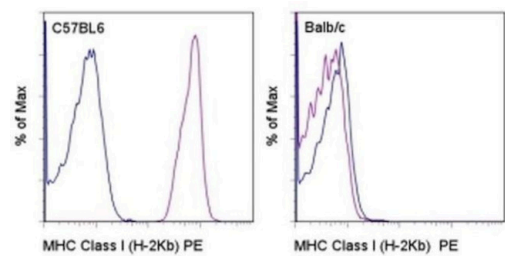
Description: This AF6-88.5.5.3 monoclonal antibody reacts with the H-2Kb MHC class I alloantigen. H-2Kb is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. d, f, j, k, p, q, r, s, u, and v) has not been observed.

Applications Reported: This AF6-88.5.5.3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This AF6-88.5.5.3 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.



MHC Class I (H-2Kb) Antibody (12-5958-82) in Flow
C57BL/6 (left) or BALB/c (right) mouse splenocytes were stained with 0.125 µg of Mouse IgG2a kappa Isotype Control, PE (Product # 12-4724-82) (blue histogram) or 0.125 µg of MHC Class I (H-2Kb), PE (purple histogram). Total viable cells were used for analysis.

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

[27 References](#)

Flow Cytometry (27)

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| Frontiers in immunology | Year 2023 |
| Specific cannabinoids revive adaptive immunity by reversing immune evasion mechanisms in metastatic tumours. | |
| "Published figure using MHC Class I (H-2Kb) monoclonal antibody (Product # 12-5958-82) in Flow Cytometry" | |
| Authors: Dada S, Ellis SLS, Wood C, Nohara LL, Dreier C, Garcia NH, Saranchova I, Munro L, Pfeifer CG, Eyford BA, Kari S, Garrovillas E, Caspani G, Al Haddad E, Gray PW, Morova T, Lack NA, Andersen RJ, Tjoelker L, Jefferies WA | |

| | |
|--|--------------|
| Cancer discovery | Year 2023 |
| Senescence Rewires Microenvironment Sensing to Facilitate Antitumor Immunity. | |
| "Published figure using MHC Class I (H-2Kb) monoclonal antibody (Product # 12-5958-82) in Flow Cytometry" | |
| Authors: Chen HA, Ho YJ, Mezzadra R, Adrover JM, Smolkin R, Zhu C, Woess K, Bernstein N, Schmitt G, Fong L, Luan W, Wuest A, Tian S, Li X, Broderick C, Hendrickson RC, Egeblad M, Chen Z, Alonso-Curbelo D, Lowe SW | |

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

[More applications with references on thermofisher.com](#)

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