

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AF6-88.5.5.3
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_1518760

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	15 Publications

Product Specific Information

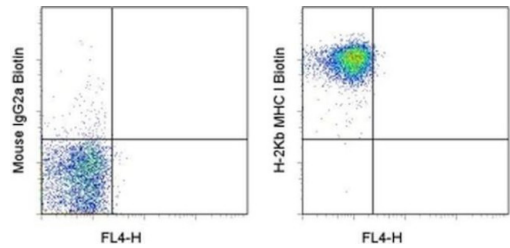
Description: This AF6-88.5.5.3 monoclonal antibody reacts with the H-2Kb MHC class I alloantigen. H-2Kb is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. d, f, j, k, p, q, r, s, u, and v) has not been observed.

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 on C57Bl/6 splenocytes. This can be used at less than or equal to 0.06 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.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For MHC Class I (H-2Kb) Monoclonal Antibody (AF6-88.5.5.3), Biotin, eBioscience™



MHC Class I (H-2Kb) Antibody (13-5958-82) in Flow
Staining of C57Bl/6 splenocytes with 0.06 µg of Mouse IgG2a K Isotype Control Biotin (Product # 13-4724-85) (left) or 0.06 µg of Anti-Mouse MHC Class I (H-2Kb) Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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15 References

Flow Cytometry (15)

Frontiers in immunology	Year 2023
<p>Specific cannabinoids revive adaptive immunity by reversing immune evasion mechanisms in metastatic tumours.</p> <p>"Published figure using MHC Class I (H-2Kb) monoclonal antibody (Product # 13-5958-82) in Flow Cytometry"</p> <p>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 R,J,Tjoelker L,Jefferies WA</p>	
Cancer discovery	Year 2023
<p>Senescence Rewires Microenvironment Sensing to Facilitate Antitumor Immunity.</p> <p>"Published figure using MHC Class I (H-2Kb) monoclonal antibody (Product # 13-5958-82) in Flow Cytometry"</p> <p>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</p>	

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