MHC Class I (H-2kb) Monoclonal Antibody (AF6-88.5.5.3), Super Bright™ 702, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 702, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AF6-88.5.5.3
Conjugate	Super Bright™ 702
Excitation/Emission Max	413/702 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802458

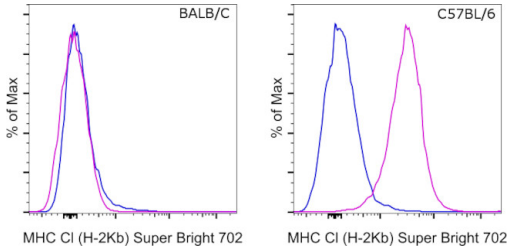
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	9 Publications

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.^M
^M
Applications Reported: This AF6-88.5.5.3 antibody has been reported for use in flow cytometric analysis.^M
^M
Applications Tested: This AF6-88.5.5.3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.^M
^M
Super Bright 702 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 702 nm. We recommend using a 710/50 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.^M
^M
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.^M
^M
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.^M
^M

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.^M
^M
Excitation: 405 nm; Emission: 702 nm; Laser: Violet Laser^M
^M
Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For MHC Class I (H-2kb) Monoclonal Antibody (AF6-88.5.5.3), Super Bright™ 702, eBioscience™



MHC Class I (H-2kb) Antibody (67-5958-80) in Flow
Staining of BALB/c (left) and C57BL/6 (right) splenocytes with 0.25 µg of Mouse IgG2a kappa Isotype Control, Super Bright 702 (Product # 67-4724-82) (blue histogram) or 0.25 µg of MHC Class I (H-2Kb) Monoclonal Antibody, Super Bright 702 (purple histogram). Total cells were used for analysis.

View more figures on thermofisher.com

9 References

Flow Cytometry (9)

Cancers

High-Dose Acetaminophen with *N*-acetylcysteine Rescue Inhibits M2 Polarization of Tumor-Associated Macrophages.

"Published figure using MHC Class I (H-2kb) monoclonal antibody (Product # 67-5958-82) in Flow Cytometry"

Authors: Bryan A,Pingali P,Joslyn M,Li H,Bernas T,Koblinski J,Landry J,Lee WS,Patel B,Neuwelt A

Year
2023

Frontiers in immunology

Specific cannabinoids revive adaptive immunity by reversing immune evasion mechanisms in metastatic tumours.

"Published figure using MHC Class I (H-2kb) monoclonal antibody (Product # 67-5958-82) 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

Year
2023

View more Flow references on thermofisher.com

More applications with references on thermofisher.com