

MHC Class I (H-2Db) Monoclonal Antibody (28-14-8), Super Bright™ 436, eBioscience™

Product Details	
Size	25 µg
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	28-14-8
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2784836

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1.0 µg/test	1 Publication

Product Specific Information

Description: The 28-14-8 monoclonal antibody reacts with the mouse MHC class I, H-2D^b, and cross-reacts with H-2L^d, H-2D^q and/or H-2L^q. Binding of 28-14-8 to the alpha 3 domain of H-2L^d is not dependent on beta2-microglobulin.

Applications Reported: This 28-14-8 antibody has been reported for use in flow cytometric analysis.

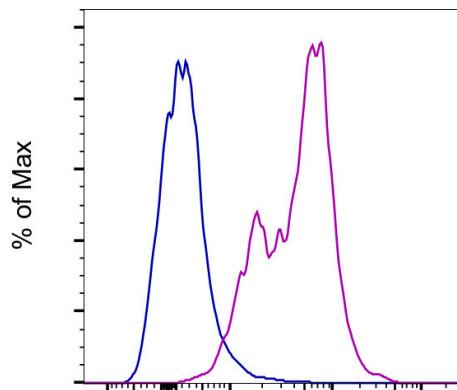
Applications Tested: This 28-14-8 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 1.0 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.



MHC Class I (H-2Db) Super Bright 436

MHC Class I (H-2Db) Antibody (62-5999-80) in Flow

C57BL/6 mouse splenocytes were stained with 0.5 µg of Mouse IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4724-82) (blue histogram) or 0.5 µg of MHC Class I (H-2Db) Monoclonal Antibody, Super Bright 436 (purple histogram). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Oncogene

CXCL14 suppresses human papillomavirus-associated head and neck cancer through antigen-specific CD8⁺ T-cell responses by upregulating MHC-I expression.

"Published figure using MHC Class I (H-2Db) monoclonal antibody (Product # 62-5999-82) in Flow Cytometry"

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Year
2019

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