

VISTA Monoclonal Antibody (MIH64), Super Bright™ 436, eBioscience™

Product Details	
Size	25 µg
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MIH64
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_2725660

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

Product Specific Information

Description: This MIH64 monoclonal antibody recognizes mouse VISTA also known as B7-H5 or PD-H1.

This MIH64 antibody will work in flow cytometry on both native and paraformaldehyde-fixed cells.

Applications Reported: This MIH64 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MIH64 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 1 µg/mL 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.

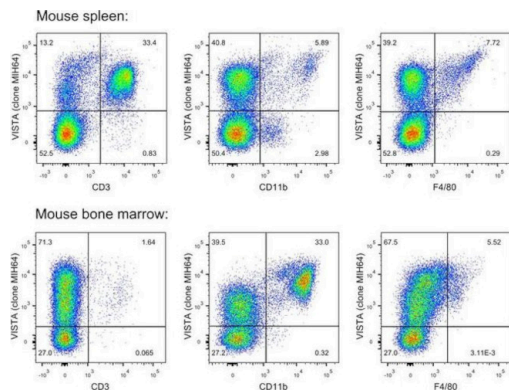
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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

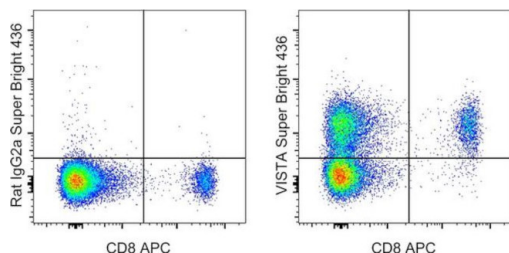
Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For VISTA Monoclonal Antibody (MIH64), Super Bright™ 436, eBioscience™



VISTA Antibody (62-1083-80)

Surface staining of mouse splenocytes (upper panels) or mouse bone marrow cells (lower panels). As expected based on known expression patterns clone MIH64 stains the majority of myeloid cells (CD11b+) and the majority of T cells (CD3+). The VISTA expression on myeloid cells is higher than on T cells. Details: Mouse splenocytes were stained with CD3 (clone 145-2C11), CD11b (clone M1/70), F4/80 (clone BM8) and VISTA (clone MIH64). Both lymphoid and myeloid cells were used for analysis. {RE}



VISTA Antibody (62-1083-80) in Flow

Mouse splenocytes were stained with CD8a Monoclonal Antibody, FITC (Product # 11-0081-82) and 0.5 µg of Rat IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4321-82) (left) or 0.5 µg of VISTA Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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