

IgM Monoclonal Antibody (SA-DA4), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SA-DA4
Conjugate	Super Bright™ 436
Form	Liquid
Concentration	5 µL/Test
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_2688220

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	-

Product Specific Information

The SA-DA4 monoclonal antibody reacts with the mu heavy chain of human IgM. It does not react with other classes of human immunoglobulin including IgD, IgG, or IgA. IgM is expressed intracellularly, during early stages of B lymphopoiesis, and then on the surface of mature B cells.

Our testing has revealed variations in staining of the non-B cell population that is predicted to be non-specific. This variation can be attributed to both donor variability and the anticoagulant used during blood draw. Therefore, we recommend using sodium citrate as the anticoagulant to minimize non-specific staining by this antibody.

Applications Reported: This SA-DA4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This SA-DA4 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (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.

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 Staining Buffer (Product # SB-

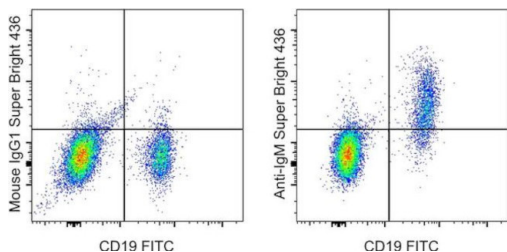
4400) to minimize any non-specific polymer interactions.

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 IgM Monoclonal Antibody (SA-DA4), Super Bright™ 436, eBioscience™



IgM Antibody (62-9998-42) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, FITC (Product # 11-0031-82) and Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (left) or IgM Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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