

CD23 Monoclonal Antibody (EBVCS2), Super Bright™ 436, eBioscience™

Product Details	
Size	25 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	EBVCS2
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2662413

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/Test	1 Publication

Product Specific Information

The EBVCS2 monoclonal antibody reacts with human CD23, a 45 kDa type II transmembrane glycoprotein. CD23 is expressed on mature B cells, mantle zone B cells, follicular dendritic cells and at low levels on T, NK, langerhans cells and platelets. Expression of CD23 is upregulated upon B cell activation, and soluble forms of the antigen have been reported to be biologically active. CD23 is a low affinity receptor for IgE and is thought to play a role in the regulation of IgE response and B cell activation. CD21 and the alpha subunit of CD11b and CD11c bind to CD23.

This EBVCS2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can 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.

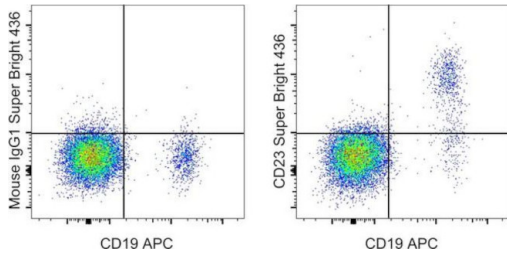
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright 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 CD23 Monoclonal Antibody (EBVCS2), Super Bright™ 436, eBioscience™



CD23 Antibody (62-0238-41) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control Super Bright 436 (Product # 62-4714-82) (left) or Anti-Human CD23 Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

1 Reference

Flow Cytometry (1)

Immunology

Interleukin-25 fails to activate STAT6 and induce alternatively activated macrophages.

"Published figure using CD23 monoclonal antibody (Product # 62-0238-42) in Flow Cytometry"

Authors: Stolfi C, Caruso R, Franzè E, Sarra M, De Nitto D, Rizzo A, Pallone F, Monteleone G

Year
2011

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