CD11b Monoclonal Antibody (ICRF44), Brilliant Violet™ 421, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Baboon, Chimpanzee, Cynomolgus monkey, Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Brilliant Violet™ 421, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	Brilliant Violet™ 421
Excitation/Emission Max	406/423 nm
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_2925494

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

Product Specific Information

Description
The ICRF44 monoclonal antibody reacts with human CD11b, a 165 kDa adhesion molecule. CD11b associated with integrin beta2 (CD18) is expressed on the surface of monocytes, granulocytes, activated lymphocytes and a subset of NK cells. CD11b is a receptor for intercellular adhesion molecule family members CD54, CD102 and CD50 as well as for iC3b. These adhesions are crucial in cell-cell and cell-matrix interactions.

Applications Tested
This ICRF44 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 10^5 to 10^8 cells/test.

Blocking Buffers
When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) or Brilliant Stain Buffer (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

Fixation
• Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) 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.

Excitation: 407 nm; Emission: 423 nm; Laser: Violet Laser.

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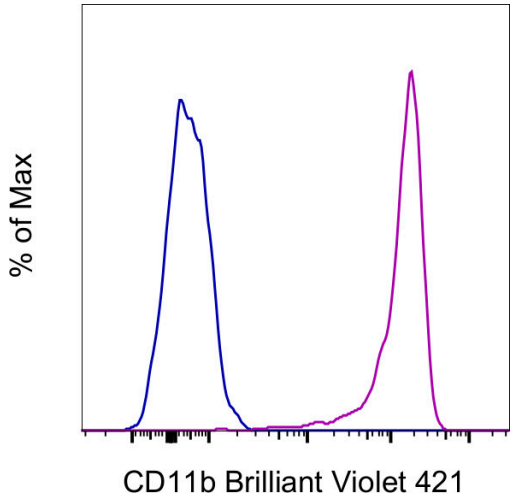
Please note: We are reviewing Western blot images included in the antibody testing data in our catalog, including those provided by third parties. Unless expressly labeled or annotated as "raw-unedited", Western blot images included in the antibody testing data in our catalog may have been edited, optimized or otherwise adjusted for presentation.

Product Images For CD11b Monoclonal Antibody (ICRF44), Brilliant Violet™ 421, eBioscience™



CD11b Antibody (404-0118-41) in Flow
Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, Brilliant Violet 421 (Product # 404-4714-81) (blue histogram) or CD11b Monoclonal Antibody, Brilliant Violet 421 (purple histogram). Viable cells in the monocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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