

Human CD20 mFluor™ Violet 450-Conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 396444 Catalog Number: FAB4225MFV450 100 Tests

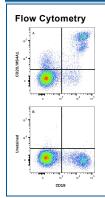
| DESCRIPTION | | | |
|--------------------|---|--|--|
| Species Reactivity | Human | | |
| Specificity | Detects human CD20. Stains human CD20 transfectants but not irrelevant transfectants. | | |
| Source | Monoclonal Mouse IgG ₁ Clone # 396444 | | |
| Purification | Protein A or G purified from hybridoma culture supernatant | | |
| Immunogen | NS0 mouse myeloma cell line transfected with human CD20 Met1-Pro297 Accession # P11836 | | |
| Conjugate | mFluor™ Violet 450 Excitation Wavelength: 406 nm Emission Wavelength: 445 nm | | |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. | | |
| | *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. | | |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

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| | Recommended Concentration | Sample | |
| Flow Cytometry | 0.1-1 µg/10 ⁶ cells | PBMC lymphocytes | |

DATA



Detection of CD20 in PBMC lymphocytes by Flow Cytometry PBMC lymphocytes were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P) and either (A) Mouse Anti-Human CD20 mFluor™ Violet 450-Conjugated Monoclonal Antibody (Catalog # FAB4225MFV450) or (B) unstained . View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Do not freeze

• 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD20 is a 297 amino acid (aa) non-glycosylated type III membrane protein that is the founding member of the MS4A tetraspanin protein family. It is expressed on pre-B, naïve and mature B lymphocytes and B-cell lymphomas. CD20 is associated with lipid rafts upon crosslinking, and appears to play a role in regulation of ion influx. The one extracellular segment of 48 aa shows 65% aa sequence identity between human and mouse CD20.

PRODUCT SPECIFIC NOTICES

mFluorTM is a trademark of AAT Bioquest, Inc.

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