

Mouse B220/CD45R mFluor™ Violet 450-Conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # RA3-6B2 Catalog Number: FAB1217MFV450 100 Tests

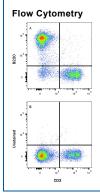
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse B220/CD45R.		
Source	Monoclonal Rat IgG _{2A} Clone # RA3-6B2		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Abelson mouse leukemia virus-induced pre-B tumor cells		
Conjugate	mFluor™ Violet 450		
	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.

	Recommended Concentration	Sample
Flow Cytometry	0.1-1 μg/10 ⁶ cells	Mouse splenocytes

DATA



Detection of B220/CD45R in Mouse splenocytes by Flow Cytometry Mouse splenocytes were stained with Rat Anti-Mouse CD3 APC-conjugated Monoclonal Antibody (Catalog # FAB4841A) and either (A) Rat Anti-Mouse B220/CD45R mFluor™ Violet 450-Conjugated Monoclonal Antibody (Catalog # FAB1217MFV450) 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

B220 is the mouse CD45 isoform CD45R, which is predominantly expressed on all B lymphocytes, including pro-, mature and activated B cells (1-3). The level of B220 antigen expression on the B cell lineage is developmentally regulated (2-4) and this antibody is commonly used as a B cell marker. RA3-6B2 has been reported to inhibit *in vivo* B cell responses (5, 6).

References:

- 1. Coffman, R.L. (1982) Immuno. Rev. 69:5.
- 2. Hardy, R.R. et al. (1991) J. Exp. Med. 173:1213.
- 3. Hathcock, K.S. et al. (1992) J. Immunol. 149:2286.
- 4. Allman, D.M. et al. (1992) J. Immunol. 149:2533.
- 5. Asensi, V.K. *et al.* (1989) Immunology **68**:204.
- 6. Domiati-Saad, R. et al. (1993) J. Immunol. 151:5936.

PRODUCT SPECIFIC NOTICES

mFluorTM is a trademark of AAT Bioquest, Inc.

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