

Purified Anti-Mouse CD45RO/B220 Antibody[RA3-6B2]

Catalog Number: GF004280P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

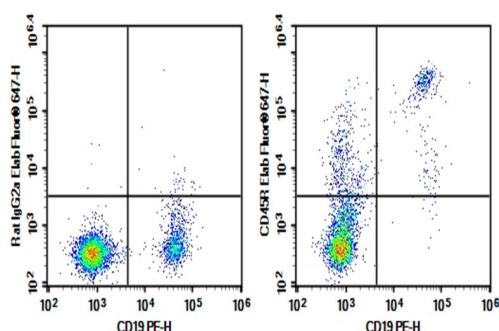
Reactivity	Mouse
Immunogen	Recombinant Mouse B220 protein
Host	Rat
Isotype	Rat IgG2a, κ
Clone	RA3-6B2
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	PBS, pH 7.2. Contains 0.05% proclin 300.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)
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Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg
Purified Anti-Mouse CD45RO/B220 Antibody[RA3-6B2]
(Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left),

followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG
Secondary Antibody, then anti-Mouse CD19 PE-conjugated
Monoclonal Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD45R, also known as B220, is an isoform of CD45. It is a member of the protein tyrosine phosphatase (PTP) family with a molecular weight of approximately 180-240 kD. CD45R is expressed on B cells (at all developmental stages from pro-B cells through mature B cells), activated B cells, and subsets of T and NK cells. CD45R (B220) is also expressed on a subset of abnormal T cells involved in the pathogenesis of systemic autoimmunity in MRL-Fas^{lpr} and MRL-Fas^{gld} mice. It plays a critical role in TCR and BCR signaling. The primary ligands for CD45 are galectin-1, CD 2, CD3, and CD4. CD45R is commonly used as a pan-B cell marker; however, CD19 may be more appropriate for B cell specificity.