

AF/LE Purified Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1]

Catalog Number: GF11120

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

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD45R/B220 protein
Host	Rat
Isotype	Rat IgM, κ
Clone	RA3.3A 1/6.1
Purification	>98%, Protein A/G purified
Conjugation	None (AF/LE)
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

Applications

Recommended Dilution

FCM	2 µg/mL (0.5×10 ⁶ -1×10 ⁶ cells)
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Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
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.