

**Low Endotoxin Purified Anti-Mouse  
CD45R/B220 Antibody [RA3.3A 1/6.1]**

Catalogue Code: AGEL1400

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL1400</b>	<b>Clone:</b>	<b>RA3.3A 1/6.1</b>
<b>Applications:</b>	<b>FCM;Cell Sep- Neg;Depletion</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

<b>Alternate Names:</b>	B220;
<b>Uniprot ID:</b>	-
<b>Background:</b>	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 <sup>lpr</sup> and MRL-Fas <sup>gld</sup> mice. It plays a critical role in TCR and BCR signaling. The primary ligands for CD45 are galectin-1, CD2, CD3, and CD4. CD45R is commonly used as a pan-B cell marker; however, CD19 may be more appropriate for B cell specificity.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	None (AF/LE)
<b>Size:</b>	50µg, 500µg, 1mg
<b>Host Species:</b>	Rat
<b>Isotype:</b>	Rat IgM, κ
<b>Isotype Control:</b>	AF/LE Purified Rat IgM, κ Isotype Control[RTK2118] [Product AGEL1400]
<b>Storage Buffer:</b>	0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<b>Shipping:</b>	Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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