



## Product Datasheet

### Purified Anti-Mouse CD45R/B220 Antibody [RA3.3A 1/6.1] Catalogue Code: AGEL0421

#### Antibody Data

Product SKU:	AGEL0421	Clone:	RA3.3A 1/6.1
Applications:	FCM		
Reactivity:	Mouse		

#### Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

#### Product Information:

Alternate Names:	B220;
Uniprot ID:	-
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 <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.
Form:	Liquid
Conjugation:	Unconjugated
Size:	25µg, 100µg
Host Species:	Rat
Isotype:	Rat IgM, κ
Isotype Control:	-
Storage Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
Shipping:	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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