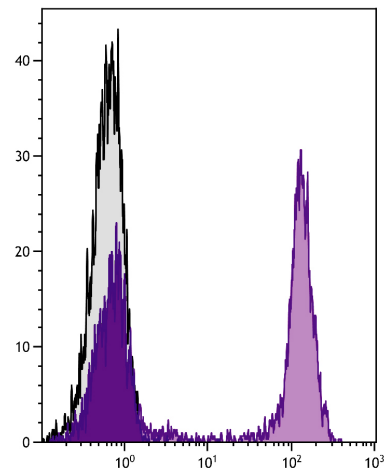




Rat Anti-Mouse CD45R

Cat. No.	Format	Size
1665-01	Purified (UNLB)	0.5 mg
1665-02	Fluorescein (FITC)	0.5 mg
1665-02S	Fluorescein (FITC)	0.1 mg
1665-08	Biotin (BIOT)	0.5 mg
1665-09	R-phycoerythrin (PE)	0.1 mg
1665-09L	R-phycoerythrin (PE)	0.2 mg
1665-10	R-phycoerythrin-Texas Red® (PE/TXRD)	0.1 mg
1665-11	Allophycocyanin (APC)	0.1 mg
1665-13	Spectral Red® (SPRD)	0.1 mg
1665-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1665-15	Cyanine 5 (CY5)	0.1 mg
1665-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	0.1 mg
1665-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
1665-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	0.1 mg
1665-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
1665-26	Pacific Blue™ (PACBLU)	0.1 mg
1665-27	Alexa Fluor® 700 (AF700)	0.1 mg
1665-30	Alexa Fluor® 488 (AF488)	0.1 mg
1665-31	Alexa Fluor® 647 (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD45R-PE/TXRD (SB Cat. No. 1665-10).

Overview

Clone	RA3-6B2
Isotype	Rat IgG _{2a} κ
Immunogen	Abelson murine leukemia virus-induced pre-B cell lymphoma
Specificity	Mouse/Human/Feline CD45R; Mr 220 kDa
Alternate Name(s)	B220, Ly-5, Lyt-4, Ptprc, Receptor-type tyrosine-protein phosphatase C

Description

CD45R, also known as B220, a member of the protein tyrosine phosphate family and a major cell surface glycoprotein, represents a restricted form of the CD45 family which primarily recognizes only cells of B-lineage from pro-B cell through mature B lymphocytes and prior to the availability of anti-CD19 monoclonal antibodies was commonly used as a pan B-cell marker. It also reacts with certain activated T cells as well as non-MHC-restricted lytically active lymphokine-activated killer (LAK) cells. *In vivo* administration of RA3-6B2 has been shown to affect differentiation of both T and B cells in normal mice and reduce the level of anti-DNA antibodies and lymphadenopathies in MRL/*lpr* mice.

Applications

FC – Quality tested ^{1,3,7-12}
 IHC-FS – Reported in literature ^{3,5,6}
 IHC-PS – Reported in literature ^{3,4}
 IP – Reported in literature ^{1,2}
 WB – Reported in literature ²
 Block – Reported in literature ¹

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates	≤ 1 μg/10 ⁶ cells
	PE, PE/TXRD, APC, SPRD, CY5, APC/CY5.5, APC/CY7, PE/CY5.5, PE/CY7, AF647, AF700, and PACBLU conjugates	≤ 0.2 μg/10 ⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL		

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[®] (SPRD), R-phycoerythrin-Texas Red[®] (PE/TXRD), R-phycoerythrin-Cyanine 7 (PE/CY7), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), allophycocyanin-Cyanine 5.5 (APC/CY5.5), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The Alexa Fluor[®] 488 (AF488), Alexa Fluor[®] 647 (AF647), Alexa Fluor[®] 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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