

TECHNICAL DATA SHEET

CyFlow™ CD45R APC Anti-Hu/Ms; Clone RA3-6B2

REF BJ993887

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD45R
Alternative Names	—
Clone	RA3-6B2
Clonality	monoclonal
Format	APC
Host / Isotype	Rat / IgG2a
Species Reactivity	Human Mouse, Cat
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.5 mg/ml]
Immunogen	Abelson murine leukemia virus-induced pre-B tumor cells

Specificity

The rat monoclonal antibody RA3-6B2 recognizes an epitope on CD45R antigen, which is expressed at all developmental stages of B cells, including activated B cells, but also on subsets of NK and T cells. T cells detected by this antibody are supposed to be in activated state.

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Application

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD45R (B220) is a receptor-type protein tyrosine phosphatase glycoprotein. It is crucial in lymphocyte development and antigen signaling, serving as an important regulator of Src-family kinases, promotes cell survival by modulating integrin-mediated signal transduction pathway and is also involved in DNA fragmentation during apoptosis. CD45R expression also identifies a subset of murine bone marrow cells able to form osteoclast-like cells.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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