

TECHNICAL DATA SHEET

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

REF CE555722

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD45R
Alternative Names	—
Clone	RA3-6B2
Clonality	monoclonal
Format	Purified
Host / Isotype	Rat / IgG2a
Species Reactivity	Human Mouse, Cat
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry
- Immunocytochemistry
- Functional assays

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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