

TECHNICAL DATA SHEET

CyFlow™ CD197 PE Anti-Ms; Clone 4B12

REF CN665231

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD197
Alternative Names	CCR7, EB11, BLR2, CMKBR7
Clone	4B12
Clonality	monoclonal
Format	PE
Host / Isotype	Rat / IgG2a
Species Reactivity	Mouse
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.5 mg/ml]
Immunogen	Murine CD197-transfected RBL-2H3 cells

Specificity

The rat monoclonal antibody 4B12 recognizes mouse CD197 receptor, a 43 kDa G-protein-coupled receptor for chemokines CCL19 and CCL21.

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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

CD197 (CCR7; chemokine receptor 7) is a seven membrane-spanning protein serving as a receptor for chemokines CCL19 and CCL21. It is expressed on most naive T cells, some hematopoietic stem cells, mature dendritic cells, NK cells and some memory T cells and B cells subsets. CD197 plays important roles in development of thymocytes, and regulating the recirculation and homing of lymphocytes and dendritic cells to secondary lymphoid organs.

References

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

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