TECHNICAL DATA SHEET

CyFlow™ CD328 PE

Anti-Hu; Clone 6-434

REF **BK126573**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD328
Alternative Names	Siglec7, SIGLEC-7, AIRM1, p75/AIRM1, QA79
Clone	6-434
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Human dendritic cells

Specificity

The mouse monoclonal antibody 6-434 recognizes CD328 (Siglec-7) antigen, a 75 kDa transmembrane glycoprotein expressed mainly on NK cells, dendritic cells and monocytes.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈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

CD328 (Siglec-7, p75/AIRM1) is a 75 kDa type I transmembrane glycoprotein of sialic acid-binding immunoglobulin-like lectin (Siglec) family. CD328 binds to sialylated glycans with α2,6 sialyl and α2,8 disyalyl residues and mediates sialic acid-dependent cell-cell binding. As it contains in its intracellular part the immunoreceptor tyrosine-based inhibitory motif (ITIM), it serves as an inhibitory receptor, e.g. of NK cells.

References

- Zola H, Swart B, Banham A, Barry S, Beare A, Bensussan A, Boumsell L, D Buckley C, Buhring HJ, Clark G, Engel P, Fox D, Jin BQ, Macardle PJ, Malavasi F, Mason D, Stockinger H, Yang X: CD molecules 2006: human cell differentiation molecules. J Immunol Methods. 2007 Jan 30; 319(1-2):1-5. < PMID: 17174972 >

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

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