TECHNICAL DATA SHEET

CyFlow™ CD328 Purified
Anti-Hu; Clone 6-434

REF **CZ374800**

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	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
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

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

- Flow cytometry

Storage Buffer

The reagent is provided in 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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