TECHNICAL DATA SHEET

CyFlow™ Drebrin PE

Anti-Hu; Clone DBN-N-03

REF **BE927069**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Drebrin
Alternative Names	—
Clone	DBN-N-03
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Bacterially expressed N-terminal fragment of recombinant human drebrin (aa 1-326)

Specificity

The mouse monoclonal antibody DBN-N-03 recognizes drebrin, an approximately 100-125 kDa regulator of actin cytoskeleton.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 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

Drebrin is an actin-binding protein, which is expressed mainly in neurons and plays important role in their morphogenesis. The highest level of its expression is in developing brain. Both in neurons and non-neuronal cells drebrin acts as a key regulator of actin cytoskeleton remodelling, affecting especially intercellular junctions, such as dendritic spines of neurons or the immune synapses of T cells. Decrease of drebrin amount in the brain seems to be associated with Alzheimer's disease and Down syndrome, and in case of B-cell precursor acute lymphoblastic leukemia (BCP-ALL) lower drebrin expression correlates with higher risk of relapse.

References

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

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