

TECHNICAL DATA SHEET

CyFlow™ Helios PE Anti-Hu/Ms; Clone 22F6

REF CV254145

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Helios
Alternative Names	IKZF2
Clone	22F6
Clonality	monoclonal
Format	PE
Host / Isotype	Hamster / IgG
Species Reactivity	Human Mouse
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Peptide corresponding to the amino acids 51-107 of Helios

Specificity

The armenian hamster monoclonal antibody 22F6 recognizes Helios antigen, a transcription factor expressed in some hematopoietic stem cells, and at high levels in thymic-derived regulatory T cells.

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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 10⁶ 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

Helios (IKZF2; Ikaros family zinc finger protein 2) is a hematopoietic-specific transcription factor involved in the regulation of lymphocyte development, together with other members of this family, such as Aiolos and Ikaros. Helios forms homo- and heterodimers with these proteins and is thought to function predominantly in early hematopoietic development. Expression of Helios, Aiolos and Ikaros is restricted to cells of the hematopoietic system, whereas other family members, Eos and Pegassus, are more widely expressed. Helios is expressed at early stages of thymocyte development. In mature T cells, Helios has been strongly associated with Treg 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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