Monoclonal Antibody to Helios
Phycoerythrin (PE) conjugated (100 tests)

Clone: 22F6
Isotype: Hamster IgG
Specificity: The arménian hamster monoclonal antibody 22F6 recognizes Helios, a transcription factor expressed in some hematopoietic stem cells, and at high levels in thymic-derived regulatory T cells.
Regulatory Status: RUO
Immunogen: Peptide corresponding to the amino acids 51-107 of Helios
Species Reactivity: Human, Mouse
Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 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.
Expiration: See vial label
Lot Number: See vial label
Background: Helios, also known as 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:


