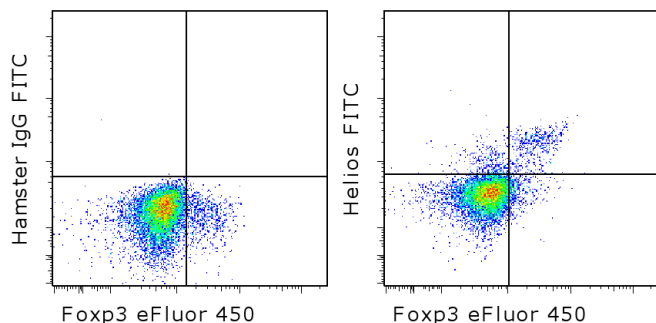


## Anti-Helios FITC

**Catalog Number:** 11-9883

**Also known as:** Ikaros family zinc finger 2, IKZF2

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Intracellular staining of normal human peripheral blood cells with Anti-Human FcγR2b eFluor<sup>®</sup> 450 (cat. 48-4776) and Armenian Hamster IgG Isotype Control FITC (cat. 11-4888) (left) or Anti-Helios FITC (right) using FcγR2b Fixation and Permeabilization Buffers (cat. 00-5521). CD4<sup>+</sup> cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Helios FITC

**Catalog Number:** 11-9883

**Clone:** 22F6

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Armenian Hamster IgG



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

### Description

This 22F6 monoclonal antibody reacts with human, mouse and canine Helios. Helios is a zinc-finger transcription factor first identified for its similarity to Ikaros. It is expressed in hematopoietic stem cells in both the embryo and adult mice. While the highest expression is found in regulatory T cells, Helios is not expressed in mature B cells, dendritic cells or myeloid cells. Helios can form a homodimer as well as heterodimerize with other Ikaros family members to regulate transcription. Eight isoforms of Helios exist, some of which possess a dominant-negative function that has also been found to be upregulated in lymphoid malignancies, including T-acute lymphoblastic leukemia.

### Applications Reported

This 22F6 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

### Applications Tested

This 22F6 antibody has been tested by intracellular staining and flow cytometric analysis of normal human peripheral blood cells using FcγR2b Fixation and Permeabilization Buffers (cat. 00-5521). This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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Getnet D, Grosso JF, Goldberg MV, Harris TJ, Yen HR, Bruno TC, Durham NM, Hipkiss EL, Pyle KJ, Wada S, Pan F, Pardoll DM, Drake CG. A role for the transcription factor Helios in human CD4(+)CD25(+) regulatory T cells. Mol Immunol. 2010 Apr;47(7-8):1595-600.

Rebollo A, Schmitt C. Ikaros, Aiolos and Helios: transcription regulators and lymphoid malignancies. Immunol Cell Biol. 2003 Jun;81(3):171-5.

### Related Products

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

12-0049 Anti-Human CD4 PE (RPA-T4)

46-0257 Anti-Human/Non-Human Primate CD25 PerCP-eFluor® 710 (CD25-4E3)

48-4776 Anti-Human Foxp3 eFluor® 450 (PCH101)

48-5773 Anti-Mouse/Rat Foxp3 eFluor® 450 (FJK-16s)