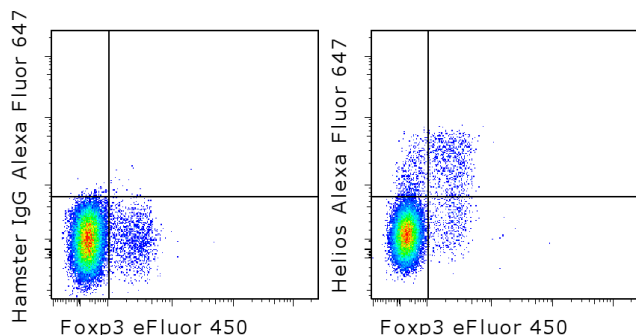


Anti-Helios Alexa Fluor® 647

Catalog Number: 51-9883

Also known as: Ikaros family zinc finger 2, IKZF2

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



C57Bl/6 lymph node cells were surface stained with Anti-Mouse CD4 PerCP-eFluor® 710 (cat. 46-0042). Cells were then fixed and permeabilized using the Foxp3 Staining Buffer Set (cat. 00-5523) followed by intracellular staining with Anti-Mouse/Rat Foxp3 eFluor® 450 (cat. 48-5773) and 0.06 ug of Armenian Hamster IgG Isotype Control Alexa Fluor® 647 (cat. 51-4888) (left) or 0.06 ug of Anti-Helios Alexa Fluor® 647 (right). CD4+ cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Helios Alexa Fluor® 647
Catalog Number: 51-9883
Clone: 22F6
Concentration: 0.2 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 flow cytometric analysis.

Applications Tested

This 22F6 antibody has been tested by intracellular flow cytometric analysis of normal human peripheral blood cells or mouse lymph node cells using the Foxp3 Staining Buffer Set (cat. 00-5523). 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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CD25(high) FOXP3(high) regulatory T-cell population in the dog. Immunology. 2011 Jan;132(1):111-22. (**22F6**, canine, FC)

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

Related Products

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

12-0251 Anti-Mouse CD25 PE (PC61.5)

46-0042 Anti-Mouse CD4 PerCP-eFluor® 710 (RM4-5)

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

51-4888 Armenian Hamster IgG Isotype Control Alexa Fluor® 647 (To Be Discontinued. Refer to Cat. No. 50-4888) (eBio299Arm)

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