

ARG54195
anti-Helios antibody [22F6] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Hamster Monoclonal antibody [22F6] recognizes Helios
Tested Reactivity	Hu, Ms
Tested Application	FACS
Specificity	The armenian hamster monoclonal antibody 22F6 recognizes Helios, a transcription factor expressed in some hematopoietic stem cells, and at high levels in thymicderived regulatory T cells.
Host	Hamster
Clonality	Monoclonal
Clone	22F6
Isotype	IgG
Target Name	Helios
Immunogen	Peptide corresponding to the amino acids 51-107 of Helios
Conjugation	PE
Alternate Names	HELIOS; ZNF1A2; Ikaros family zinc finger protein 2; ANF1A2; Zinc finger protein Helios; ZNFN1A2

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification Note	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.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 22779 Mouse](#)

[GeneID: 22807 Human](#)

[Swiss-port # P81183 Mouse](#)

[Swiss-port # Q9UKS7 Human](#)

Gene Symbol

IKZF2

Gene Full Name

IKAROS family zinc finger 2 (Helios)

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.

Function

Associates with Ikaros at centromeric heterochromatin. [UniProt]

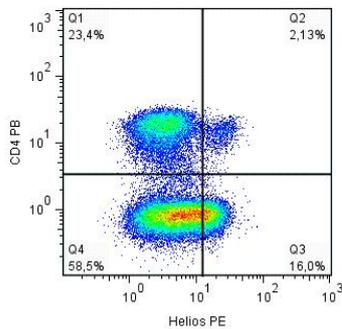
Research Area

Controls and Markers antibody; Gene Regulation antibody; Immune System antibody

Calculated Mw

60 kDa

Images



ARG54195 anti-Helios antibody [22F6] (PE) FACS image

Flow Cytometry: Fixed and permeabilized human peripheral blood lymphocytes stained with ARG54195 anti-Helios antibody [22F6] (PE).