

Technical Data Sheet

Product	Anti-Helios Purified
Cat. Number/Size	11-771-C025 0.025 mg 11-771-C100 0.1 mg
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.
Antigen	Helios
Clone	22F6
Format	Purified
Reactivity	Mouse, Human
Application	FC (QC tested)
Application details	Flow cytometry: Recommended dilution: 1-4 µg/ml., Recommended protocol: 1) Perform staining of cell surface markers (CD25, CD4 etc.) for 20 min. at room temperature in the dark; 100 µl of peripheral blood. 2) Add 3 ml of PBS with 1% BSA, centrifugate at 300g and discard the supernatant. Further steps perform on ice and with ice-cold reagents. 3) Resuspend the cells in 5 ml of cold fixation solution (Miltenyi Biotec) and incubate for 30 min. on ice. 4) Centrifugate for 5 min. at 1000 g, 4°C, and discard the supernatant. 5) Resuspend the cells in 5 ml of ice-cold PBS with 1% BSA. 6) Centrifugate for 5 min. at 1000 g, 4°C, and discard the supernatant. 7) Resuspend the cells in 5 ml of ice-cold permeabilization solution (Miltenyi Biotec) and incubate 5 min. 8) Centrifugate for 5 min. at 1000 g, 4°C, and discard the supernatant. 9) Resuspend the cells in µl of ice-cold permeabilization solution and add 20 µl of FcR blocking solution and incubate for 5 min. (4°C, in the dark). 10) Perform intracellular staining of Helios for 30 min. (4°C, in the dark) with 10 µl of anti-Helios PE antibody (22F6) in 100 µl. 11) Add 2 ml of ice-cold permeabilization solution and incubate for 5 min. at 4°C in the dark. 12) Centrifugate for 5 min. at 1000 g, 4°C, and discard the supernatant. 13) Resuspend the cells in 3 ml of ice-cold PBS with 1% BSA. 14) Centrifugate for 5 min. at 1000 g, 4°C, and discard the supernatant. 15) Resuspend the cells in 150 µl of ice-cold PBS with 1% BSA and measure on a flow cytometry device with appropriate setting as soon as possible. Keep cold until measuring.
Isotype	Armenian Hamster IgG
Specificity	The Armenian hamster monoclonal antibody 22F6 recognizes Helios, a transcription factor (intracellular antigen) expressed in some hematopoietic stem cells, and at high levels in thymic-derived regulatory T cells. The epitope is located between amino acids 51 and 107.
Other names	ANF1A2, IKZF2
Immunogen	Peptide corresponding to the amino acids 51-107 of Helios
Entrez Gene ID	22807
Gene name	IKZF2
NCBI Full Gene Name	IKAROS family zinc finger 2
UniProt ID	Q9UKS7
Concentration	1 mg/ml
Preparation	Purified by protein-A affinity chromatography.
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Do not freeze.
Images and References	www.exbio.cz

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