

For Research Use Only

HELIOS Recombinant monoclonal antibody

Catalog Number: 87876-1-RR



Basic Information

Catalog Number: 87876-1-RR	GenBank Accession Number: BC028936	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 22807	CloneNo.: 253388A1
Isotype: IgG	UNIPROT ID: Q9UKS7	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Immunogen Catalog Number: AG4087	Full Name: IKAROS family zinc finger 2 (Helios)	
	Calculated MW: 500 aa, 57 kDa	
	Observed MW: 65-75 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, MOLT-4 cells, EL-4 cells
Species Specificity: human, mouse	IF/ICC : Jurkat cells,

Background Information

HELIOS, encoded by the IKZF2 gene (Ikaros Family Zinc Finger Protein 2), is a transcription factor belonging to the Ikaros family of zinc-finger proteins. It is primarily expressed in hematopoietic cells, particularly in regulatory T cells (Tregs) and early lymphoid progenitors, where it plays a critical role in immune regulation, T-cell development, and the maintenance of Treg suppressive function. HELIOS binds to specific DNA sequences to regulate gene expression involved in lymphocyte differentiation and immune homeostasis. It is also widely used as a stable marker for activated Tregs. Dysregulation of HELIOS has been implicated in autoimmune diseases, allergy, and cancer immunotherapy resistance.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

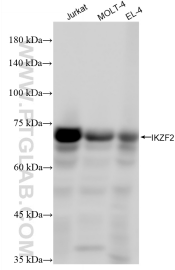
T: 4006900926

E: Proteintech-CN@ptglab.com

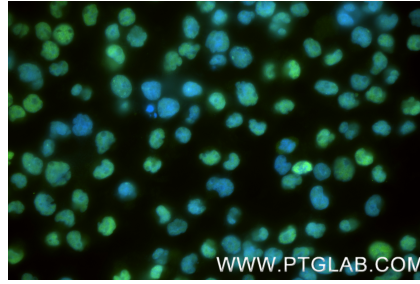
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87876-1-RR (HELIOS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using HELIOS antibody (87876-1-RR, Clone: 253388A1) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).