

For Research Use Only

HELIOS Recombinant monoclonal antibody, PBS Only

Catalog Number: 87876-1-PBS



Basic Information

Catalog Number: 87876-1-PBS	GenBank Accession Number: BC028936	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 22807	CloneNo.: 253388A1
Source: Rabbit	UNIPROT ID: Q9UKS7	
Isotype: IgG	Full Name: IKAROS family zinc finger 2 (Helios)	
Immunogen Catalog Number: AG4087	Calculated MW: 500 aa, 57 kDa	
	Observed MW: 65-75 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

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

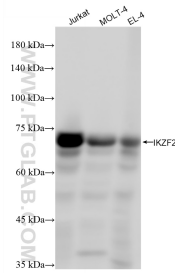
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

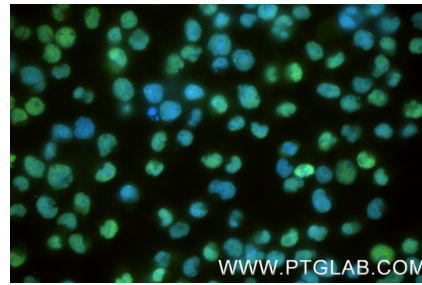
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 87876-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87876-1-PBS in a different storage buffer formulation.