

For Research Use Only

# HELIOS Recombinant monoclonal antibody

Catalog Number: 87876-1-RR



## Basic Information

<b>Catalog Number:</b> 87876-1-RR	<b>GenBank Accession Number:</b> BC028936	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22807	<b>CloneNo.:</b> 253388A1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UKS7	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> IKAROS family zinc finger 2 (Helios)	
<b>Immunogen Catalog Number:</b> AG4087	<b>Calculated MW:</b> 500 aa, 57 kDa	
	<b>Observed MW:</b> 65-75 kDa	

## Applications

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

\*\*\* 20ul sizes contain 0.1% BSA

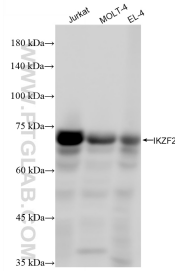
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

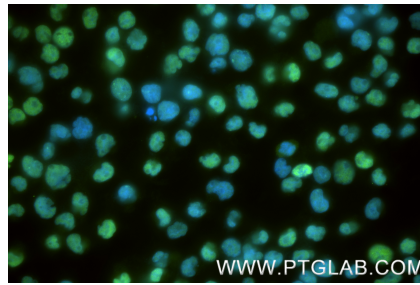
E: proteintech@ptglab.com  
W: ptglab.com

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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.



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).