

For Research Use Only

# HELIOS Recombinant monoclonal antibody, PBS Only

Catalog Number: 87876-1-PBS



## Basic Information

<b>Catalog Number:</b> 87876-1-PBS	<b>GenBank Accession Number:</b> BC028936	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 22807	<b>CloneNo.:</b> 253388A1
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9UKS7	
<b>Immunogen Catalog Number:</b> AG4087	<b>Full Name:</b> IKAROS family zinc finger 2 (Helios)	
	<b>Calculated MW:</b> 500 aa, 57 kDa	
	<b>Observed MW:</b> 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

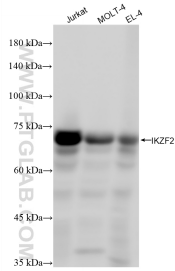
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

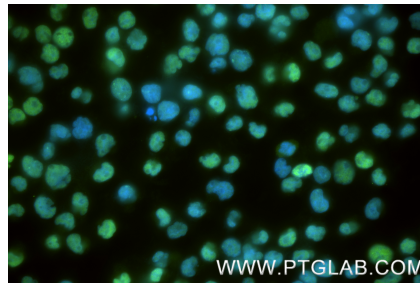
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.