

For Research Use Only

# HELIOS Monoclonal antibody

Catalog Number: 68558-1-Ig



## Basic Information

<b>Catalog Number:</b> 68558-1-Ig	<b>GenBank Accession Number:</b> BC028936	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22807	<b>CloneNo.:</b> 1F1F10
<b>Source:</b> Mouse	<b>Full Name:</b> IKAROS family zinc finger 2 (Helios)	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:6000 for WB
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 500 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG4357	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, MOLT-4 cells IP : Jurkat cells,
<b>Species Specificity:</b> Human	

## Background Information

IKZF2 (Helios), a member of the Ikaros transcription factor family, is expressed in a majority of Treg cells and some T cell and lymphocyte subsets. The expression of IKZF2 is associated with T cell activation and cellular division and is suggested a suitable marker to distinguish natural and induced Treg (PMID:21918685). IKZF2 plays a crucial role in maintaining function and stability of Treg cells, and IKZF2 deficiency reduces tumor growth in mice (PMID: 36863346).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

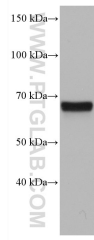
For technical support and original validation data for this product please contact:

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

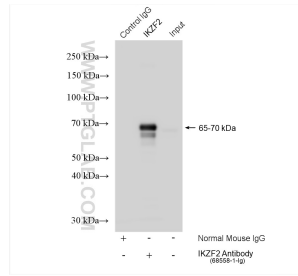
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 68558-1-Ig (IKZF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-IKZF2(IP:68558-1-Ig, 4ug; Detection:68558-1-Ig 1:3000) with Jurkat cells lysate 1560 ug.