

For Research Use Only

HELIOS Monoclonal antibody

Catalog Number: 68558-1-Ig



Basic Information

Catalog Number: 68558-1-Ig	GenBank Accession Number: BC028936	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 22807	CloneNo.: 1F1F10
Source: Mouse	UNIPROT ID: Q9UKS7	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG2b	Full Name: IKAROS family zinc finger 2 (Helios)	
Immunogen Catalog Number: AG4357	Calculated MW: 500 aa, 57 kDa	
	Observed MW: 65 kDa	

Applications

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

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

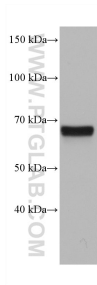
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

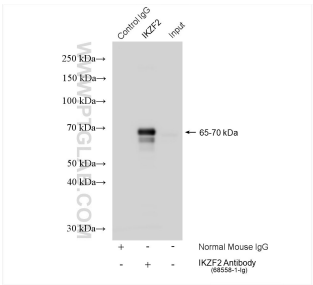
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



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



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