

For Research Use Only

IRF4 Recombinant monoclonal antibody

Catalog Number: 87342-1-RR



Basic Information

Catalog Number: 87342-1-RR	GenBank Accession Number: BC015752	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3662	CloneNo.: 252430B2
Isotype: IgG	ENSEMBL Gene ID: ENSG00000137265	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2500-1:10000
Immunogen Catalog Number: AG1762	UNIPROT ID: Q15306	
	Full Name: IRF 4	
	Calculated MW: 52 kDa	
	Observed MW: 50-52 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB: M1 cells, U266 cells
	IHC: human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

IRF4 is a member of the IRF family of transcription factors, expressed in most cell types of the immune system. IRF4 is a transcription factor essential for the development of T helper-2 (Th2) cells, IL17-producing Th17 cells, and IL9-producing Th9 cells, as well as dendritic cell (DC). It binds to and activates the ISRE of the MHC class I promoter, and may have a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells.

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

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

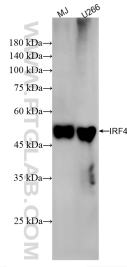
T: 4006900926

E: Proteintech-CN@ptglab.com

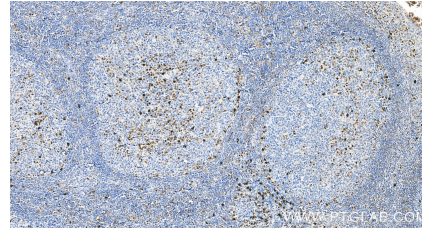
W: ptgcn.com

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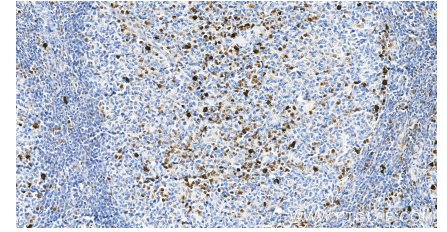
Selected Validation Data



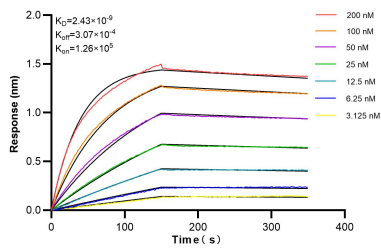
Various lysates were subjected to SDS PAGE followed by western blot with 87342-1-RR (IRF4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87342-1-RR (IRF4 antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 87342-1-RR against Human IRF4 were performed. The affinity constant is 2.43 nM.