

For Research Use Only

IRF4 Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66451-1-PBS

Basic Information

Catalog Number: 66451-1-PBS	GenBank Accession Number: BC015752	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3662	CloneNo.: 1A12D5
Source: Mouse	ENSEMBL Gene ID: ENSG00000137265	
Isotype: IgG1	UNIPROT ID: Q15306	
Immunogen Catalog Number: AG25203	Full Name: IRF 4	
	Calculated MW: 52 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, IHC, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, pig, rat

Product Information

66451-1-PBS targets IRF4 as part of a matched antibody pair:

MP50012-1: 66451-2-PBS capture and 66451-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

IF regulatory factor 4 (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 IF-stimulated response element (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 -80°C.
Storage Buffer:
PBS only

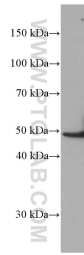
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

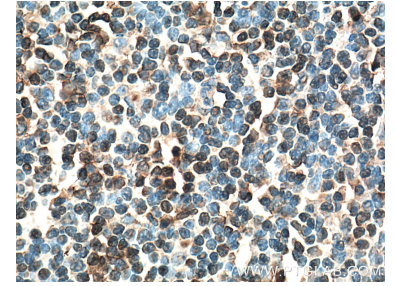
Selected Validation Data



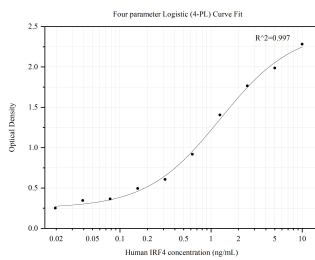
human spleen tissue were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50012-1, IRF4 Monoclonal Matched Antibody Pair - BSA and Azide free. Capture antibody: 66451-2-PBS. Detection antibody: HRP-conjugated 66451-1-PBS. Standard: Ag25203. Range: 0.02-20 ng/mL