

For Research Use Only

# IRF9 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85160-2-PBS



## Basic Information

<b>Catalog Number:</b> 85160-2-PBS	<b>GenBank Accession Number:</b> BC035716	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10379	<b>CloneNo.:</b> 242772F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00978	
<b>Isotype:</b> IgG	<b>Full Name:</b> IRF 9	
<b>Immunogen Catalog Number:</b> AG5365	<b>Calculated MW:</b> 393 aa, 44 kDa	
	<b>Observed MW:</b> 44-48 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

85160-2-PBS targets IRF9 as part of a matched antibody pair:

MP01881-1: 85160-2-PBS capture and 85160-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

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

IRF9 also named ISGF3 is a transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of IFN stimulated genes, which drive the cell in an antiviral state.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

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

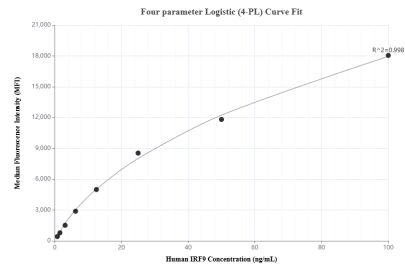
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## Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 85160-2-RR (IRF9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85160-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01881-1, IRF9 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85160-2-PBS. Detection antibody: 85160-3-PBS. Standard: Ag5365. Range: 0.781-100 ng/mL