

For Research Use Only

IRF7 Recombinant antibody, PBS Only

Catalog Number: 85072-5-PBS



Basic Information

Catalog Number: 85072-5-PBS	GenBank Accession Number: BC136555	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3665	CloneNo.: 242613C2
Source: Rabbit	UNIPROT ID: Q92985	
Isotype: IgG	Full Name: IRF 7	
Immunogen Catalog Number: AG18059	Calculated MW: 516 aa, 56 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

IRF-7 (IFN regulatory factor 7) is a member of the IFN regulatory transcription factor (IRF) family. IRF-7 has been shown to play a role in the transcriptional activation of virus-inducible cellular proteins, including IFN beta chain proteins. Inducible expression of IRF-7 is largely restricted to lymphoid tissue. Four transcript variants encoding distinct isoforms (A,B,C and D) have been identified for this (PMID:9786932). The active IRF7A exists as a dimer form ~80 kDa (PMID:11073981). The MW 67-70 kDa has been reported in some papers (PMID:9786932; 22951831). Various posttranslational modifications of IRF7 including phosphorylation, ubiquitination, sumoylation and acetylation are identified (PMID:22951831).

Storage

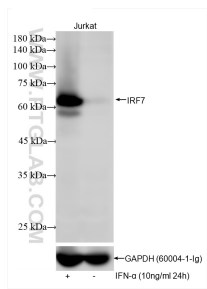
Storage:
Store at -80°C.

Storage Buffer:
PBS only

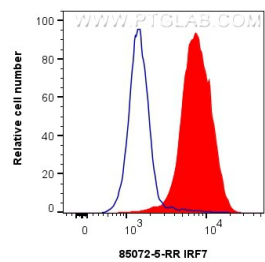
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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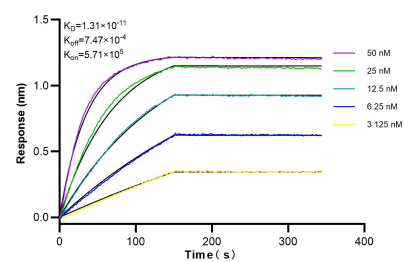
Selected Validation Data



IFN alpha treated and untreated Jurkat cell lysates were subjected to SDS PAGE followed by western blot with 85072-5-RR (IRF7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85072-5-PBS in a different storage buffer formulation.



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug IRF7 Recombinant antibody (85072-5-RR, Clone:242613C2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 85072-5-PBS in a



Biolayer interferometry (BLI) kinetic assays of 85072-5-RR against Human IRF7 were performed. The affinity constant is 13.1 pM.