

Human IRF3 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 482205

Catalog Number: IC4019A 100 TESTS

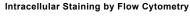
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IRF3 in Western blots.		
Source	Monoclonal Mouse IgG _{2B} Clone # 482205		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant human IRF3 aa 206-427 Accession # Q14653		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

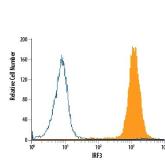
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA





Detection of IRF3 in Daudi Human Cell Line by Flow Cytometry. Daudi human Burkitt's lymphoma cell line was stained with Mouse Anti-Human IRF3 APC-conjugated Monoclonal Antibody (Catalog # IC4019A, filled histogram) or isotype control antibody (Catalog # IC0041A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

IRF3 (interferon response factor 3) is a 60 kDa member of the IRF family of proteins. Human IRF3 contains one DNA binding domain (aa 7–107), a nuclear export signal (aa 139–149) and multiple phosphorylation sites (aa 395–407). Viral infection stimulates IRF3 phosphorylation, nuclear translocation and stimulation of IFN production. Alternate splice forms may exist. One will show a deletion of aa 201–327, a second will show the same deletion plus an alternate start site at Met147, and a third will show a 125 aa substitution for the C-terminal 100 aa (aa 328–427). Over aa 206–427, human IRF3 is 76% and 83% aa identical to mouse and pig IRF3, respectively.

