

DESCRIPTION

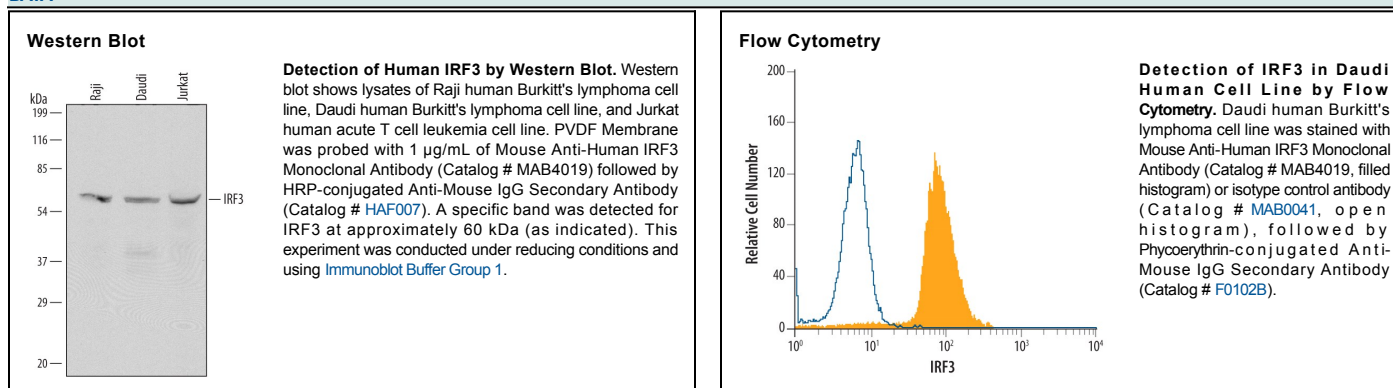
Species Reactivity	Human
Specificity	Detects human IRF3 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 482205
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IRF3 aa 206-427 Accession # Q14653
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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
Western Blot	1 µg/mL	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.