

## DESCRIPTION

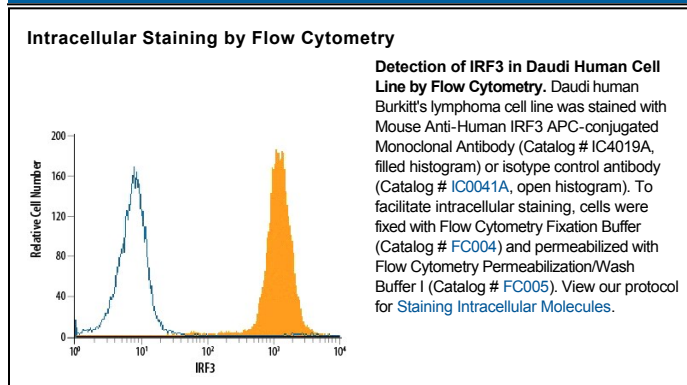
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IRF3 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 482205
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human IRF3 aa 206-427 Accession # Q14653
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	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
<b>Intracellular Staining by Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## 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.