

## DESCRIPTION

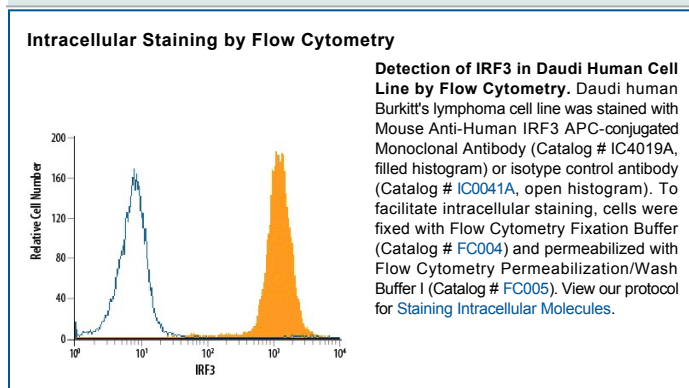
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IRF3 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 482205
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human IRF3 aa 206-427 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
Intracellular Staining by Flow Cytometry	10 µL/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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.