

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IRF3 in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant mouse IRF3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IRF3 Val206-Ser427 Accession # Q14653
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

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

Interferon response factor 3 (IRF3) is a 50 kDa, 427 amino acid, member of the IRF family of proteins. Human IRF3 is a transcription factor that binds the interferon-sensitive response element (ISRE) and is activated by Toll-like receptors, TLR3 and TLR4. Viral entry or engagement of TLR3 or TLR4 stimulates IRF3 phosphorylation, nuclear translocation and stimulation of IFN production. There are potential alternate splice forms affecting IRF3 structure, one including a deletion of aa 201-327, a second with the same deletion and an alternate Met(147) start site, and a third with a 125 aa substitution of the C-terminal 100 aa. Over the region used as immunogen, aa 206-427, human IRF3 is 76% and 83% identical to the corresponding mouse and porcine proteins, respectively.

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