

Datasheet: MCA2700

BATCH NUMBER 230514

Description:	MOUSE ANTI HUMAN IRF3
Specificity:	IRF3
Other names:	INTERFERON REGULATORY FACTOR 3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3F10
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			1/1000 - 1/3000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃) 10% Glycerol

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human IRF3 (amino acids 108-166) purified from <i>E. coli</i> .
External Database Links	<p>UniProt: Q14653 Related reagents</p> <p>Entrez Gene: 3661 IRF3 Related reagents</p>
RRID	AB_2126994
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Mouse anti Human IRF3 antibody, clone 3F10 recognizes human interferon regulatory factor 3 (IRF3), a ~55 kDa constitutively expressed member of the IRF family, which acts as vital regulator of gene expression in innate immunity (Nociari et al. 2007).</p> <p>IRF3 accumulates in an inactive form in the cytoplasm and then translocates to the nucleus as a homodimer, following stimuli-induced phosphorylation of specific serine/threonine residues. Association of the homodimer with p300/CBP (CREBB binding protein) forms dsRNA-activated factor 1 (DRAF1), which then activates the transcription of interferon alpha and beta and subsequent downstream interferon-induced genes (Weaver et al. 1998).</p>
Western Blotting	MCA2700 detects a band of approximately 55kDa in HeLa cell lysates.
Further Reading	1. Takahasi, K. <i>et al.</i> (2003) X-ray crystal structure of IRF-3 and its functional implications. Nat Struct Biol. 10 (11): 922-7.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/MCA2700 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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