

## Datasheet: MCA1554F

<b>Description:</b>	MOUSE ANTI HUMAN INTERFERON GAMMA:FITC
<b>Specificity:</b>	IFN GAMMA
<b>Other names:</b>	INTERFERON GAMMA
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B27
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry (1)	▪			Neat - 1/10

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) **Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

<b>Target Species</b>	Human		
<b>Species Cross Reactivity</b>	Reacts with: Rhesus Monkey <b>N.B.</b> Antibody reactivity and working conditions may vary between species.		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		
<b>Immunogen</b>	Recombinant human IFN gamma.		

<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01579</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3458</a>    IFNG    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_566998
<b>Specificity</b>	<p><b>Mouse anti Human Interferon gamma antibody, clone B27</b> recognizes human interferon gamma (IFN gamma). IFN gamma is a regulatory cytokine, which is produced by activated natural killer cells and a population of T-lymphocytes.</p> <p>Mouse anti Human Interferon gamma antibody, clone B27 is reported to neutralize the antiviral activity of human IFN gamma (<a href="#">Favre <i>et al.</i> 1989</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Favre, C. <i>et al.</i> (1989) Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. <a href="#">Mol Immunol. 26 (1): 17-25.</a></li> <li>2. Abrams, J.S. <i>et al.</i> (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. <a href="#">Immunol Rev. 127: 5-24.</a></li> <li>3. Paliard, X. <i>et al.</i> (1988) Simultaneous production of IL-2, IL-4, and IFN-gamma by activated human CD4+ and CD8+ T cell clones. <a href="#">J Immunol. 141 (3): 849-55.</a></li> <li>4. Gomes, J.A. <i>et al.</i> (2003) Evidence that development of severe cardiomyopathy in human Chagas' disease is due to a Th1-specific immune response. <a href="#">Infect Immun. 71 (3): 1185-93.</a></li> <li>5. Lai, X. <i>et al.</i> (2003) Immune biology of macaque lymphocyte populations during mycobacterial infection. <a href="#">Clin Exp Immunol. 133: 182-92.</a></li> <li>6. Wakkach, A. <i>et al.</i> (2001) Differentiation of regulatory T cells 1 is induced by CD2 costimulation. <a href="#">J Immunol. 167: 3107-13.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

## Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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