

Datasheet: MCA1554F

BATCH NUMBER 153117

Description:	MOUSE ANTI HUMAN INTERFERON GAMMA:FITC
Specificity:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	B27
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 (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.

Target Species

Human

Species Cross Reactivity

Reacts with: Rhesus Monkey

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture

supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

Immunogen Recombinant human IFN gamma.

External Database Links

UniProt:
[P01579](#) [Related reagents](#)

Entrez Gene:
[3458](#) IFNG [Related reagents](#)

RRID AB_566998

Specificity **Mouse anti Human Interferon gamma antibody, clone B27** 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.

Mouse anti Human Interferon gamma antibody, clone B27 is reported to neutralize the antiviral activity of human IFN gamma ([Favre *et al.* 1989](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Favre, C. *et al.* (1989) Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. [Mol Immunol. 26 \(1\): 17-25.](#)
2. Abrams, J.S. *et al.* (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. [Immunol Rev. 127: 5-24.](#)
3. Paliard, X. *et al.* (1988) Simultaneous production of IL-2, IL-4, and IFN-gamma by activated human CD4+ and CD8+ T cell clones. [J Immunol. 141 \(3\): 849-55.](#)
4. Gomes, J.A. *et al.* (2003) Evidence that development of severe cardiomyopathy in human Chagas' disease is due to a Th1-specific immune response. [Infect Immun. 71 \(3\): 1185-93.](#)
5. Lai, X. *et al.* (2003) Immune biology of macaque lymphocyte populations during mycobacterial infection. [Clin Exp Immunol. 133: 182-92.](#)
6. Wakkach, A. *et al.* (2001) Differentiation of regulatory T cells 1 is induced by CD2 costimulation. [J Immunol. 167: 3107-13.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1554F 10041
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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