

Datasheet: MCA1450

Description:	MOUSE ANTI HUMAN CD119
Specificity:	CD119
Other names:	IFN GAMMA RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BB1E2
Isotype:	IgG2a
Quantity:	0.2 mg

Product Details

RRID AB_322179

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	▪			1ug/ml - 10ug/ml
Immunohistology - Frozen (1)	▪			1ug/ml - 10ug/ml
Immunohistology - Paraffin		▪		
ELISA	▪			1ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml

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)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species Human

Species Cross Reactivity Reacts with: Bovine
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by ion exchange chromatography

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Fusion protein of the extracellular part of the human interferon-gamma receptor (AA: Ala17-Gly245) conjugated to 11 AA of the c-myc proto-oncogene (for affinity purification).
External Database Links	<p>UniProt: P15260 Related reagents</p> <p>Entrez Gene: 3459 IFNGR1 Related reagents</p>
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line.
Specificity	<p>Mouse anti Human CD119 antibody, clone BB1E2 recognizes the human gamma-interferon receptor, also known as CD119. CD119 is expressed by monocytes, and very weakly by resting peripheral blood lymphocytes.</p> <p>Mouse anti Human CD119 antibody, clone BB1E2 recognizes a single protein band of ~43 kDa in western blotting under non-reducing conditions against protein comprising the glycosylated extracellular domain of the human interferon-gamma receptor fused to c-myc, and a MW of 27kDa against a recombinant protein corresponding to the non-glycosylated domain fused to c-myc.</p> <p>Mouse anti Human CD119 antibody, clone BB1E2 does not neutralize biological activity of interferon gamma.</p>
Flow Cytometry	Use 1ug to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Entrican G <i>et al.</i> (2002) Gamma interferon fails to induce expression of indoleamine 2,3-dioxygenase and does not control the growth of <i>Chlamydomyphila abortus</i> in BeWo trophoblast cells. Infect Immun. 70 (5): 2690-3. 2. Sopp, P. <i>et al.</i> (2007) Cross-reactivity of mAbs to human CD antigens with cells from cattle. Vet Immunol Immunopathol. 119: 106-14. 3. López-Herrera, G. <i>et al.</i> (2004) Severe combined immunodeficiency syndrome associated with colonic stenosis. Arch Med Res. 35: 348-58. 4. Garibay-Escobar, A. <i>et al.</i> (2003) Integrated measurements by flow cytometry of the cytokines IL-2, IFN-gamma, IL-12, TNF-alpha and functional evaluation of their receptors in human blood. J Immunol Methods. 280: 73-88. 5. Jankovicova, K. <i>et al.</i> (2012) Interferon gamma receptor expression on granulocytes of cardiac surgical patients is modulated differently by the type of cardiopulmonary bypass used. Perfusion. 27: 49-55. 6. Diaz-Romero, J. <i>et al.</i> (2005) Immunophenotypic analysis of human articular chondrocytes: changes in surface markers associated with cell expansion in monolayer culture. J Cell Physiol. 202: 731-42. 7. Garibay-Escobar, A. <i>et al.</i> (2003) Integrated measurements by flow cytometry of the cytokines IL-2, IFN-gamma, IL-12, TNF-alpha and functional evaluation of their receptors in human blood. J Immunol Methods. 280: 73-88. 8. Ghaemmaghami, A.M. <i>et al.</i> (2002) The proteolytic activity of the major dust mite allergen Der p 1 conditions dendritic cells to produce less interleukin-12: allergen-induced Th2 bias determined at the dendritic cell level. Clin Exp Allergy. 32: 1468-75. 9. Yim, J.H. <i>et al.</i> (2003) The role of interferon regulatory factor-1 and interferon regulatory factor-2

in IFN-gamma growth inhibition of human breast carcinoma cell lines. [J Interferon Cytokine Res. 23: 501-11.](#)

Further Reading 1. Michiels, L. *et al.* (1998) The soluble extracellular portion of the human interferon-gamma receptor is a valid substitute for evaluating binding characteristics and for neutralizing the biological activity of this cytokine. [Int J Biochem Cell Biol. 30: 505-16.](#)

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

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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