Datasheet: MCA1450

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN CD119</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD119</td>
</tr>
<tr>
<td>Other names:</td>
<td>IFN GAMMA RECEPTOR</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>BB1E2</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>1ug/ml - 10ug/ml</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>1ug/ml - 10ug/ml</td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>1ug/ml</td>
</tr>
<tr>
<td>Immuneoprecipitation</td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td>1ug/ml</td>
</tr>
</tbody>
</table>

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 titre 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

IgG concentration 1.0 mg/ml
### Concentrations

**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

**UniProt:**
- P15260

**Entrez Gene:**
- 3459 IFNGR1

### RRID
- AB_322179

### Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line.

### Specificity
**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.

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.

Mouse anti Human CD119 antibody, clone BB1E2 does not neutralize biological activity of interferon gamma.

### Flow Cytometry
Use 1ug to label 10^6 cells in 100ul.

### References
5. Jankovicova, K. *et al.* (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.


**Further Reading**


**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.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:


**Regulatory**

For research purposes only

**Recommended 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®680, DyLight®800, FITC, HRP*

**Recommended Negative Controls**

- MOUSE IgG2a NEGATIVE CONTROL (MCA929)