Datasheet: MCA5709

**Product Details**

**Description:** MOUSE ANTI HUMAN CD68

**Specificity:** CD68

**Other names:** MACROSIALIN

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** KP1

**Isotype:** IgG1

**Quantity:** 0.2 mg

**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.

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (2)</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Immunofluorescence</td>
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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 permeabilization is required for this application. The use of Leucoperm (Product Code BUF09) is recommended for this purpose.**

2) **This antibody requires heat-mediated antigen retrieval prior to staining paraffin sections. Citrate buffer, pH6.0, is recommended for this purpose.**

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Primate, Rat

**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
**Product Form** | Purified IgG - liquid  
---|---
**Preparation** | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant  
**Buffer Solution** | Phosphate buffered saline  
**Preservative Stabilisers** | 0.09% Sodium Azide (NaN₃)  
**Carrier Free** | Yes  
**Approx. Protein Concentrations** | IgG concentration 1.0mg/ml  
**Immunogen** | Subcellular fraction of human alveolar macrophages  
**External Database Links**  
- **UniProt:** P34810  
  Related reagents  
- **Entrez Gene:** 968 CD68  
  Related reagents  
**RRID** | AB_11152768  
**Specificity** | **Mouse anti human CD68 antibody, clone KP1** recognizes the human CD68 cell surface antigen, a ~110 kDa glycoprotein primarily expressed by macrophages and monocytes.  
**Flow Cytometry** | Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.  
**References**  

**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

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

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)

**Recommended Useful Reagents**

- LEUCOPERM (BUF09)

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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://bio-rad-antibodies.com/datasheets)"M416298:230223"

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