Datasheet: MCA5709F

**Description:** MOUSE ANTI HUMAN CD68:FITC

**Specificity:** CD68

**Other names:** MACROSIALIN

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** KP1

**Isotype:** IgG1

**Quantity:** 0.1 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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>Neat - 1/10</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<tr>
<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 permeabilisation** is required for this application. **Leucoperm™ (BUF09A)** 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.

### Product Form

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

### Max Ex/Em

**Fluorophore**

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</tbody>
</table>

### Preparation

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

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN3)
Stabilisers

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1mg/ml

Immunogen

Subcellular fraction of human alveolar macrophages

External Database Links

UniProt: P34810 Related reagents

Entrez Gene: 968 CD68 Related reagents

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 10^6 cells in 100ul.

References


Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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.

Shelf Life

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

Recommended Useful Reagents

LEUCOPERM™ (BUF09)