Datasheet: MCA1815

Description: MOUSE ANTI HUMAN CD68
Specificity: CD68
Other names: MACROSIALIN
Format: S/N
Product Type: Monoclonal Antibody
Clone: 514H12
Isotype: IgG2a
Quantity: 1 ml

RRID AB_322866

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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (1)</td>
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<td>1/40 - 1/80</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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<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) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Tris/EDTA buffer pH 9.0 is recommended for this purpose. N.B. The epitope recognised by clone 514H12 is sensitive to peroxide. It is therefore recommended that any peroxidase-blocking steps be performed after incubation with this antibody.

Target Species: Human
Product Form: Tissue Culture Supernatant - liquid
Preservative Stabilisers: 0.09% Sodium Azide
Immunogen: Fusion protein corresponding to external domain of human CD68.

External Database Links
UniProt:
Spleen cells from immunized mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line.

**Specificity**

Mouse anti Human CD68 antibody, clone 514H12 recognizes the human CD68 cell surface antigen, a ~110 kDa glycoprotein primarily expressed by macrophages and monocytes.

**Histology Positive Control Tissue**

Human tonsil

**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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| Guarantee | Guaranteed until date of expiry. Please see product label. |
| 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)