Datasheet: MCA1898PET

**Description:** RAT ANTI MOUSE CD115:RPE

**Specificity:** CD115

**Other names:** c-fms

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** 604B5 2E11

**Isotype:** IgG1

**Quantity:** 25 TESTS/0.25ml

**RRID** AB_2085219

**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>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>Neat</td>
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</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 titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

Mouse

**Product Form**

Purified IgG - lyophilised

**Reconstitution**

Reconstitute with 0.25 ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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**Preparation**

Purified IgG prepared by ion exchange chromatography

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin
5% Sucrose

**Immunogen**

Raw 264 cells.

**External Database Links**

UniProt:
Spleen cells from immunised Sprague Dawley rats were fused with cells of the P3-653 myeloma cell line. 

Rat anti Mouse CD115 antibody, clone 604B5 2E11 recognizes the murine CD115 cell surface antigen, also known as the M-CSF receptor and as c-fms. Murine CD115 is a 958 amino acid 110kDa single pass type I transmembrane glycoprotein with tyrosine kinase activity and acts as a membrane receptor for M-CSF. 

CD115 is expressed by cells of the monocytic lineage and by progenitor cells. Rat anti Mouse CD115 antibody, clone 604B5 2E11 has been shown to inhibit in vitro colony formation in response to M-CSF in both rats and mice.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).

References


### Storage

| Storage | Prior to reconstitution store at +4°C.
|         | After reconstitution store at +4°C.
|         | DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

| Guarantee | 12 months from date of reconstitution.

### Health And Safety Information


### Regulatory

For research purposes only

### Related Products

**Recommended Useful Reagents**

- MOUSE SEROBLOCK FcR (BUF041A)
- MOUSE SEROBLOCK FcR (BUF041B)