Datasheet: MCA1898XZ

**Description:** RAT ANTI MOUSE CD115: Preservative Free

**Specificity:** CD115

**Other names:** c-fms

**Format:** Preservative Free

**Product Type:** Monoclonal Antibody

**Clone:** 604B5 2E11

**Isotype:** IgG1

**Quantity:** 1 mg

**RRID** AB_323256

**Applications**

<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>1/25 - 1/50</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional Assays</td>
<td>-</td>
<td></td>
<td></td>
<td></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 titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

Mouse

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by ion exchange chromatography

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

None present

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Raw 264 cells.
Fusion Partners

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

Specificity

*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 10μl of the suggested working dilution to label 10^6 cells in 100μl.

References

Storage

Store at -20°C.

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


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)  FITC
Goat Anti Rat IgG (STAR69...)  FITC
Goat Anti Rat IgG (STAR131...)  Alk. Phos., Biotin
Goat Anti Rat IgG (STAR73...)  RPE
Rabbit Anti Rat IgG (STAR21...)  HRP
Goat Anti Rat IgG (STAR72...)  HRP
Rabbit Anti Rat IgG (STAR16...)  DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)  DyLight®800

© 2019 Bio-Rad Laboratories Inc  |  Legal  |  Imprint