

## Datasheet: MCA4754F

### BATCH NUMBER 0715

<b>Description:</b>	MOUSE ANTI RAT CD63:FITC
<b>Specificity:</b>	CD63
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AD1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Rat		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml		

<b>Immunogen</b>	RBL-2H3 rat basophilic leukaemia cell line.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P28648</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">29186</a> Cd63    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_10672560
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the X63-Ag8-653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Rat CD63 antibody, clone AD1</b> recognizes rat CD63, an intracellular type-III lysosomal glycoprotein and member of the tetraspanin (TM4SF) family, found on activated platelets and resident macrophages.</p> <p>Rat CD63 is expressed on mast cells, is located near to FcER1.</p> <p>Mouse anti Rat CD63 antibody, clone AD1 partially inhibits IgE-mediated histamine release (<a href="#">Kitani <i>et al.</i> 1991</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Kraft, S. <i>et al.</i> (2005) Anti-CD63 antibodies suppress IgE-dependent allergic reactions <i>in vitro</i> and <i>in vivo</i>. <a href="#">J Exp Med. 201: 385-96.</a></li> <li>Boros, M. <i>et al.</i> (1995) Response of mucosal mast cells to intestinal ischemia-reperfusion injury in the rat. <a href="#">Shock. 3 (2): 125-31.</a></li> <li>Vincent-Schneider, H. <i>et al.</i> (2001) Secretory granules of mast cells accumulate mature and immature MHC class II molecules <a href="#">J Cell Sci. 114(Pt 2): 323-34.</a></li> <li>Ramezani-Moghadam, M. <i>et al.</i> (2015) Adiponectin Reduces Hepatic Stellate Cell Migration by Promoting Tissue Inhibitor of Metalloproteinase-1 (TIMP-1) Secretion. <a href="#">J Biol Chem. 290(9): 5533-42.</a></li> <li>Yoshimura, A. <i>et al.</i> (2016) Generation of a novel transgenic rat model for tracing extracellular vesicles in body fluids. <a href="#">Sci Rep. 6: 31172.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA4754F">https://www.bio-rad-antibodies.com/SDS/MCA4754F</a>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

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