

## Datasheet: MCA6020

**BATCH NUMBER 153424**

<b>Description:</b>	MOUSE ANTI mCHERRY
<b>Specificity:</b>	mCHERRY
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Clone 1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	50 µg

### 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
Western Blotting	▪			10 ug/ml

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>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	5% Glycerol 0.1% Bovine Serum Albumin 0.05mM EDTA 0.03% Proclin™300
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant mCherry expressed in <i>E. coli</i>
<b>Specificity</b>	<b>Mouse anti mCherry antibody</b> recognizes the red fluorescent mCherry protein, a

monomeric engineered derivative of a fluorescent protein isolated from members of the Discosoma (mushroom coral) family. mCherry is a second generation fluorescent protein and by far the most popular red emitting fluorescent protein due to its high photostability and size (the other photostable red fluorescent protein tdTomato due to its tandem dimer nature is significantly larger than the 29 kDa mCherry protein). mCherry is optimally excited at a wavelength of 587nm and emits light at 610nm.

Fluorescent proteins are used as tags in the research environment and are fused to the N- or C-terminus of proteins of interest. They are tools enabling the visualization of proteins, protein-protein interactions and are used in cell-sorting and FRET, FRAP and FLIM imaging experiments.

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<b>Western Blotting</b>	Mouse anti mCherry antibody recognises a band of approximately 27 kDa on recombinant mCherry
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<b>Storage</b>	Store at -20°C only. 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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20465 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6020">https://www.bio-rad-antibodies.com/SDS/MCA6020</a> 20465
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Useful Reagents

[RABBIT ANTI GREEN FLUORESCENT PROTEIN \(AHP2984\)](#)  
[RABBIT ANTI RED FLUORESCENT PROTEIN \(AHP2987\)](#)

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

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

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

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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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