

## Datasheet: MCA6052F

<b>Description:</b>	RAT ANTI MOUSE CD5:FITC
<b>Specificity:</b>	CD5
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	53-7.3
<b>Isotype:</b>	IgG2a
<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	▪			1/5 - 1/20

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>	Mouse						
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )						
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml						
<b>Immunogen</b>	Mouse thymus or spleen						

**External Database****Links****UniProt:**[P06127](#)[Related reagents](#)**Entrez Gene:**[921](#)

CD5

[Related reagents](#)**Synonyms**

LEU1

**Specificity**

**Rat anti Mouse CD5** recognizes the CD5 cell surface glycoprotein. CD5 is a 67 kDa member of the scavenger receptor cysteine-rich protein superfamily. CD5 is primarily expressed on an IgM subset of B cells and alpha/beta T cells showing very little expression on gamma delta T cells. CD5 is also expressed by tumor cells in cases of B Cell Chronic Lymphocytic Leukaemia (B-CLL). The role for CD5 involves its interactions with antigen receptors on both T cells and B cells although the precise function has not been elucidated. The ability of CD5 to inhibit TCR signaling implies that it is important in T cell development and activation.

**Flow Cytometry**Use 10 µl of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul**Storage**

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**

12 months from date of despatch

**Health And Safety Information**Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>**Regulatory**

For research purposes only

## Related Products

### Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:FITC \(MCA1212F\)](#)**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)

From March 15, 2021, we will no longer supply printed datasheets with our products.  
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

'M368664:200529'

**Printed on 11 Feb 2021**