

## Datasheet: MCA2791F

**BATCH NUMBER 130711R**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-13:FITC
<b>Specificity:</b>	IL-13
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B-P6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

## 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)	▪			

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.

**(1)Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG - 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 ion exchange chromatography		
<b>Buffer Solution</b>	TRIS buffered saline		
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )		
	1% Bovine Serum Albumin		
<b>Immunogen</b>	Recombinant human IL-13.		

**External Database  
Links**

**UniProt:**

[P35225](#)

[Related reagents](#)

**Entrez Gene:**

[3596](#)

IL13

[Related reagents](#)

**Synonyms**

NC30

**RRID**

AB\_2124187

**Specificity**

**Mouse anti Human CD13 antibody, clone B-P6** recognizes human interleukin-13 (IL-13), a 12.5 kDa immunoregulatory cytokine produced primarily by activated T helper type 2 (Th2) cells, and also by mast cells and NK cells.

IL-13 induces the stimulation of B cell proliferation, antibody production and plays an important role in the induction of the pathophysiological features of allergic asthma, independently of Immunoglobulin E (IgE) and eosinophils ([Wills-Karp \*et al.\* 1998](#)).

**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

**Further Reading**

1. Wills-Karp, M. *et al.* (1998) Interleukin-13: central mediator of allergic asthma. [Science. 282 \(5397\): 2258-61.](#)

**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted.

This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA2791F>  
10058

**Regulatory**

For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	<b>To find a</b>
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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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