

Datasheet: MCA2791F

Description:	MOUSE ANTI HUMAN INTERLEUKIN-13:FITC
Specificity:	IL-13
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	B-P6
Isotype:	IgG1
Quantity:	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.

	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 permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.

Target Species	Human		
Product Form	Purified IgG - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by ion exchange chromatography from ascites		
Buffer Solution	TRIS buffered saline		
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin		
Immunogen	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 1×10^6 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

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M405895:220916'

Printed on 16 Sep 2022

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