

Datasheet: MCA1478

Description:	MOUSE ANTI HUMAN MACROPHAGES
Specificity:	MACROPHAGES/HISTIOCYTES
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	3A5
Isotype:	IgG2b
Quantity:	2 ml

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			▪	
Immunohistology - Frozen	▪			1/10 - 1/100
Immunohistology - Paraffin (1)	▪			1/10 - 1/100
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant serum free
Preservative	0.09% Sodium Azide
Stabilisers	0.7% Bovine Serum Albumin
Immunogen	Human spleen cell homogenate, depleted of lymphocytes and erythrocytes

Specificity

Mouse anti Human macrophages antibody, clone 3A5 recognizes an antigen expressed by human macrophages, monocytes and histiocytes, but does not stain interdigitating dendritic cells, Langerhans cells, microglial cells, or lymphoid cells. Some staining of basophilic granulocytes and of mast cells may be seen.

In immunohistochemical studies Mouse anti Human macrophages antibody, clone 3A5 shows partial cross-blocking with some anti-CD68 monoclonal antibodies, suggesting that the epitope may

be associated with this antigen.

Histology Positive Control Tissue

Spleen

References

1. Jaspars, E.H. *et al.* (1994) A new monoclonal antibody (3A5) that recognises a fixative resistant epitope on tissue macrophages and monocytes. [J Clin Pathol. 47 \(3\): 248-52.](#)
2. Choi, Y. *et al.* (2009) Immunohistochemical Characterization of the Human Sublingual Mucosa. [Int. J. Oral Biol 34: 131-135.](#)

Storage

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10082 available at:
10082: <https://www.bio-rad-antibodies.com/uploads/MSDS/10082.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Human Anti Mouse IgG2b (HCA038...) [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: 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

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M313793:180403'

Printed on 25 May 2018

