

Datasheet: MCA1478T

Description:	MOUSE ANTI HUMAN MACROPHAGES
Specificity:	MACROPHAGES/HISTIOCYTES
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	3A5
Isotype:	IgG2b
Quantity:	0.2 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

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 Stabilisers	<0.1% Sodium Azide (NaN ₃) 0.7% Bovine Serum Albumin
Immunogen	Human spleen cell homogenate, depleted of lymphocytes and erythrocytes
RRID	AB_567111

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: 131-5.](#)
3. van der Heijden, J.W.*et al.* (2009) Involvement of breast cancer resistance protein expression on rheumatoid arthritis synovial tissue macrophages in resistance to methotrexate and leflunomide. [Arthritis Rheum. 60 \(3\): 669-77.](#)
4. van der Heijden, J. W. *et al.* (2009) Folate receptor beta as a potential delivery route for novel folate antagonists to macrophages in the synovial tissue of rheumatoid arthritis patients. [Arthritis Rheum. 60 \(1\): 12-21.](#)

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.

Guarantee

12 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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[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
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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

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