

Datasheet: MCA1815

Description:	MOUSE ANTI HUMAN CD68
Specificity:	CD68
Other names:	MACROSIALIN
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	514H12
Isotype:	IgG2a
Quantity:	1 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	▪			
Immunohistology - Paraffin (1)	▪			1/40 - 1/80
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting		▪		
Immunofluorescence	▪			

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) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Tris/EDTA buffer pH 9.0 is recommended for this purpose. *N.B. The epitope recognised by clone 514H12 is sensitive to peroxide. It is therefore recommended that any peroxidase-blocking steps be performed after incubation with this antibody.*

Target Species	Human
Product Form	Tissue culture supernatant - liquid
Preservative	0.09% sodium azide (NaN ₃)

Stabilisers

Immunogen Fusion protein corresponding to external domain of human CD68.

External Database Links

UniProt:

[P34810](#) [Related reagents](#)

Entrez Gene:

[968](#) CD68 [Related reagents](#)

RRID AB_322866

Fusion Partners Spleen cells from immunized mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line

Specificity **Mouse anti Human CD68 antibody, clone 514H12** recognizes the human CD68 cell surface antigen, a ~110 kDa glycoprotein primarily expressed by macrophages and monocytes.

Histology Positive Control Tissue Human tonsil

References

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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

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10053 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1815>
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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