

Datasheet: MCA1808

Description:	MOUSE ANTI HUMAN CD21
Specificity:	CD21
Other names:	CR2
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	2G9
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	▪			1/10 - 1/20
Immunohistology - Paraffin (1)	▪			1/10 - 1/20
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. Suggested working dilutions are given as a guide only. 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
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Recombinant human CD21.

**External Database
Links**

UniProt:

[P20023](#) [Related reagents](#)

Entrez Gene:

[1380](#) CR2 [Related reagents](#)

Synonyms

C3DR

RRID

AB_322860

Fusion Partners

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

Specificity

Mouse anti Human CD21 antibody, clone 2G9 recognizes the human CD21 cell surface antigen, a ~140 kDa glycoprotein. CD21 is expressed by mature B lymphocytes.

**Histology Positive
Control Tissue**

Tonsil

References

1. Kelten, C. *et al.* (2008) Secondary involvement of the breast in T-cell non-Hodgkin lymphoma, an unusual example mimicking inflammatory breast carcinoma. [Arch Gynecol Obstet. 280:149-52.](#)
2. Weber, B. *et al.* (2017) Distinct interferon-gamma and interleukin-9 expression in cutaneous and oral lichen planus. [J Eur Acad Dermatol Venereol. 31 \(5\): 880-6.](#)
3. Willcox, A. *et al.* (2017) Germinal centre frequency is decreased in pancreatic lymph nodes from individuals with recent-onset type 1 diabetes. [Diabetologia. 60 \(7\): 1294-303.](#)

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:
10053: <https://www.bio-rad-antibodies.com/uploads/MSDS/10053.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](#)
Human Anti Mouse IgG2a (HCA037...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
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 (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)

Recommended Negative Controls

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

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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
'M382513:210513'

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