

## Datasheet: MCA1808T

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD21 |
| <b>Specificity:</b>  | CD21                  |
| <b>Other names:</b>  | CR2                   |
| <b>Format:</b>       | S/N                   |
| <b>Product Type:</b> | Monoclonal Antibody   |
| <b>Clone:</b>        | 2G9                   |
| <b>Isotype:</b>      | IgG2a                 |
| <b>Quantity:</b>     | 0.1 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](http://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        |

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.**

|                                 |                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                                                               |
| <b>Product Form</b>             | Tissue Culture Supernatant - liquid                                                                                                                                                 |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide                                                                                                                                                                  |
| <b>Immunogen</b>                | Recombinant human CD21.                                                                                                                                                             |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">P20023</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">1380</a>   CR2   <a href="#">Related reagents</a></p> |
| <b>Synonyms</b>                 | C3DR                                                                                                                                                                                |
| <b>Fusion Partners</b>          | Spleen cells from immunised mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell                                                                                       |

line

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                       | <b>Mouse anti Human CD21 antibody, clone 2G9</b> recognizes the human CD21 cell surface antigen, a ~140 kDa glycoprotein. CD21 is expressed by mature B lymphocytes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Histology Positive Control Tissue</b> | Tonsil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>References</b>                        | <ol style="list-style-type: none"><li>1. Kelten, C. <i>et al.</i> (2008) Secondary involvement of the breast in T-cell non-Hodgkin lymphoma, an unusual example mimicking inflammatory breast carcinoma. <a href="#">Arch Gynecol Obstet. 280:149-52.</a></li><li>2. Weber, B. <i>et al.</i> (2016) Distinct interferon-gamma and interleukin-9 expression in cutaneous and oral lichen planus. <a href="#">J Eur Acad Dermatol Venereol. Oct 1 [Epub ahead of print]</a></li><li>3. Willcox, A. <i>et al.</i> (2017) Germinal centre frequency is decreased in pancreatic lymph nodes from individuals with recent-onset type 1 diabetes. <a href="#">Diabetologia. Feb 17.. [Epub ahead of print]</a></li></ol> |
| <b>Storage</b>                           | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Shelf Life</b>                        | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Health And Safety Information</b>     | Material Safety Datasheet documentation #10055 available at:<br>10055: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Regulatory</b>                        | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                         |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Human Anti Mouse IgG2a (HCA037...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |

### Recommended Negative Controls

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

'M318835:180719'

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