

## Datasheet: VMA00146

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | MOUSE ANTI COMMD1       |
| <b>Specificity:</b>  | COMMD1                  |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | PrecisionAb™ Monoclonal |
| <b>Clone:</b>        | OTI3B3                  |
| <b>Isotype:</b>      | IgG1                    |
| <b>Quantity:</b>     | 100 µl                  |

## 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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ■   |    |                | 1/1000             |

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

|                                     |                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>               | Human                                                                                                                                                                   |
| <b>Product Form</b>                 | Purified IgG - liquid                                                                                                                                                   |
| <b>Preparation</b>                  | Mouse monoclonal antibody purified by affinity chromatography from ascites.                                                                                             |
| <b>Buffer Solution</b>              | Phosphate buffered saline                                                                                                                                               |
| <b>Preservative<br/>Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin<br>50% Glycerol                                                                                       |
| <b>Immunogen</b>                    | Full length recombinant human COMMD1 (NP_689729) produced in HEK293T cells                                                                                              |
| <b>External Database<br/>Links</b>  | <b>UniProt:</b><br><a href="#">Q8N668</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">150684</a> COMMD1 <a href="#">Related reagents</a> |
| <b>Synonyms</b>                     | C2orf5, MURR1                                                                                                                                                           |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <p><b>Mouse anti Human COMMD1 antibody</b> recognizes COMMD1, also known as COMM domain-containing protein 1, copper metabolism gene MURR1 and protein Murr1. COMMD1 is a regulator of copper homeostasis, sodium uptake, and NF-kappa-B signaling (de Bie <i>et al.</i> 2005).</p> <p>Mouse anti Human COMMD1 antibody detects a band of 21 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti COMMD1 detects a band of approximately 21 kDa in K562 cell lysates.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.                                                                                                                                                                                                                                                                    |
| <b>Further Reading</b>               | 1. de Bie P <i>et al.</i> (2005) The many faces of the copper metabolism protein MURR1/COMMD1. <a href="#">J Hered. 96 (7): 803-11.</a>                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Shelf Life</b>                    | As supplied, 12 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Acknowledgements</b>              | PrecisionAb™ is a trademark of Bio-Rad Laboratories.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10048 available at: Antibody (10048): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</a>                                                                                                                                                                                                                                 |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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