# COMMD1 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | COMMD1, Monoclonal Antibody |
| **Full Product Name** | COMMD1 (Copper Metabolism (Murr1) Domain Containing 1, C2orf5, MGC27155, MURR1) (MaxLight 405) |
| **Product Gene Name** | anti-COMMD1 antibody |
| **Product Synonym Names** | Copper Metabolism (Murr1) Domain Containing 1; C2orf5; MGC27155; MURR1 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 2B12 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes COMMD1. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Immunogen** | COMMD1 (AAH22046.1, 1aa-190aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MAAGELEGGKPLSGLLNALAQDTFHGYPGITEELLRSQLYPEVPPEEFRPFLAKMRGILKSIASADMDFNQLEAFLTAQTKKQGGITSDQAAVISKFWKSH |
| **Conjugate** | MaxLight405 |
| **Product Categories/Family for anti-COMMD1 antibody** | Antibodies; Proteins |
| **Applications Tested/Suitable for anti-COMMD1 antibody** | Immunofluorescence (IF), Immunoprecipitation (IP), Western Blot (WB) |
| **Application Notes for anti-COMMD1 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-COMMD1 antibody** | COMMD1 is a regulator of copper homeostasis, sodium uptake, and NF-kappa-B (see MIM 164011) signaling (de Bie et al., 2005 [PubMed 16267171]) |
| **Other Notes** | Small volumes of anti-COMMD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for COMMD1 purchase** | MBS6195032 is an antibody targeting COMMD1. Also known as COMMD1 (Copper Metabolism (Murr1) Domain Containing 1, C2orf5, MGC27155, MU |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COMMD1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 21328770 |
| **NCBI GeneID** | 150684 |
| **NCBI Accession #** | AAH22046.1 |
| **UniProt Related Accession #** | Q8N668 |
| **NCBI Official Full Name** | Copper metabolism (Murr1) domain containing 1 |
| **NCBI Official Synonym Full Names** | copper metabolism domain containing 1 |
| **NCBI Official Symbol** | COMMD1 |
| **NCBI Official Synonym Symbols** | MURR1; C2orf5 |
| **Protein Family** | COMM domain-containing protein |
| **NCBI Protein Information** | COMM domain-containing protein 1 |
| **Research Articles on COMMD1** | **1.** The screen identified copper metabolism MURR1 domaincontaining 1 (COMMD1) as a novel lamin A binding partner. Colocalization experiments using fluorescent confocal microscopy revealed that COMMD1 colocalized with lamin A in 293 cells. |
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