

## Product datasheet for CF504920

### COMMD1 Mouse Monoclonal Antibody [Clone ID: OTI2D10]

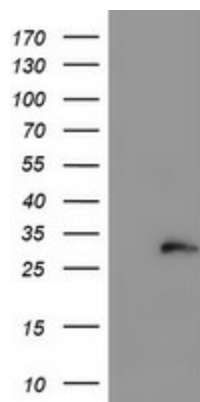
#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                   |
| Clone Name:             | OTI2D10                                                                                                                                                                                                                                                                                                                              |
| Applications:           | FC, IHC, WB                                                                                                                                                                                                                                                                                                                          |
| Recommended Dilution:   | WB 1:500~2000, IHC 1:150, FLOW 1:100                                                                                                                                                                                                                                                                                                 |
| Reactivity:             | Human, Dog, Rat, Mouse                                                                                                                                                                                                                                                                                                               |
| Host:                   | Mouse                                                                                                                                                                                                                                                                                                                                |
| Isotype:                | IgG1                                                                                                                                                                                                                                                                                                                                 |
| Clonality:              | Monoclonal                                                                                                                                                                                                                                                                                                                           |
| Immunogen:              | Full length human recombinant protein of human COMMD1(NP_689729) produced in HEK293T cell.                                                                                                                                                                                                                                           |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)                                                                                                                                                                                                                                                                    |
| Reconstitution Method:  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)                                                                                                                                                                                                                            |
| Conjugation:            | Unconjugated                                                                                                                                                                                                                                                                                                                         |
| Storage:                | Store at -20°C as received.                                                                                                                                                                                                                                                                                                          |
| Stability:              | Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                                                           |
| Predicted Protein Size: | 21 kDa                                                                                                                                                                                                                                                                                                                               |
| Gene Name:              | copper metabolism domain containing 1                                                                                                                                                                                                                                                                                                |
| Database Link:          | <a href="#">NP_689729</a><br><a href="#">Entrez Gene 17846 Mouse</a> <a href="#">Entrez Gene 289831 Rat</a> <a href="#">Entrez Gene 403590 Dog</a> <a href="#">Entrez Gene 150684 Human</a><br><a href="#">Q8N668</a>                                                                                                                |
| Background:             | COMMD1 is a regulator of copper homeostasis, sodium uptake, and NF-kappa-B (see MIM 164011) signaling (de Bie et al., 2005 [PubMed 16267171]). [supplied by OMIM, Sep 2009]                                                                                                                                                          |

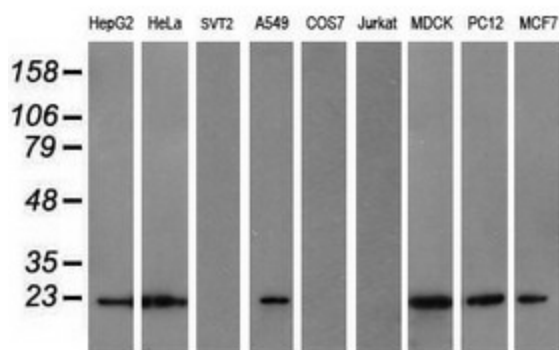

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**Synonyms:** C2orf5; MURR1

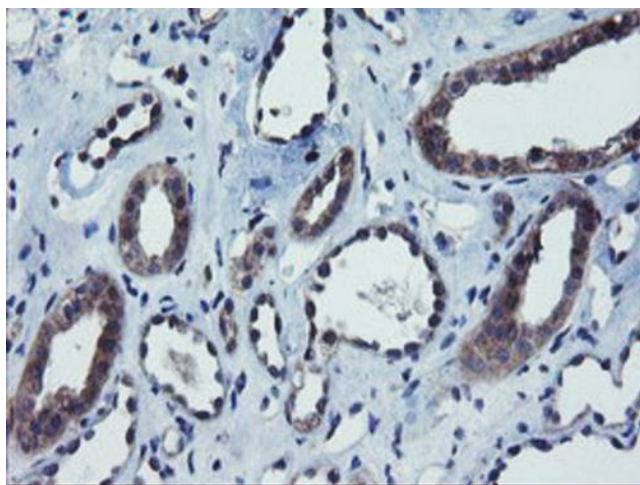
## Product images:



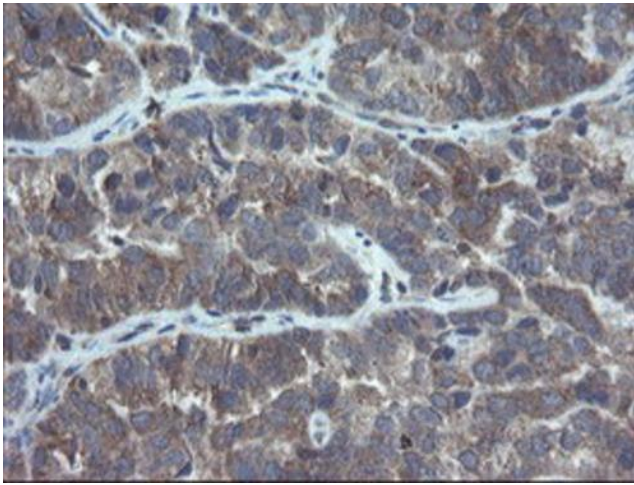
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY COMMD1 ([RC205614], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-COMMD1. Positive lysates [LY403473] (100ug) and [LC403473] (20ug) can be purchased separately from OriGene.



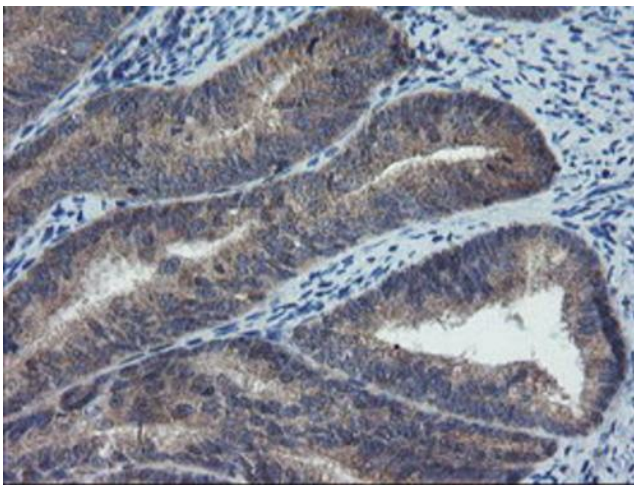
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-COMMD1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



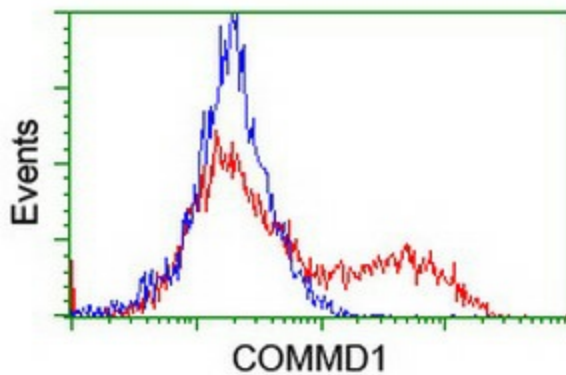
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-COMMD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-COMMD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-COMMD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



HEK293T cells transfected with either [RC205614] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-COMMD1 antibody ([TA504920]), and then analyzed by flow cytometry.