

Product number  
#10150

## Mouse Anti- Cartilage Oligomeric Matrix Protein Antibody (16B5)

### Description

Affinity purified mouse monoclonal Anti- Cartilage Oligomeric Matrix Protein (COMP) antibody clone 16B5 in PBS, sterile filtered (0.2 µm). The 16B5 antibody binds to the coiled-coil domain or pentamer COMP<sup>1</sup>. This antibody has been used in applications including immunohistochemistry (IHC)<sup>1</sup> and ELISA<sup>1,2</sup>.

### Target with alternative names

Cartilage Oligomeric Matrix Protein; COMP;  
UniProt [Q9R0G6](https://www.uniprot.org/entry/Q9R0G6)

### Immunogen

Rat Cartilage Oligomeric Matrix Protein<sup>1</sup>

### Species reactivity

Rat, mouse, human<sup>1</sup>

### Isotype

Mouse IgG1, κ

### Concentration

1mg/ml

### Sizes available

100µg and 1mg

### Supplied in

PBS

### Storage

Centrifuge briefly prior to opening the vial. Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

### Recommended dilution

It is recommended the user determines the optimal dilution for their application. The typical starting working dilutions are: IHC 1:100, ELISA 1:200-1:500.

*For Research Use Only. Not for use in diagnostic procedures.  
Not for resale without express authorization.*

### References

1. Geng H, Nandakumar KS, Pramhed A, Aspberg A, Mattsson R, Holmdahl R. Cartilage oligomeric matrix protein specific antibodies are pathogenic. *Arthritis Res Ther*. 2012 Aug 20;14(4):R191. PMID: [22906101](https://pubmed.ncbi.nlm.nih.gov/22906101/).
2. Geng H, Nandakumar KS, Xiong L, Jie R, Dong J, Holmdahl R. Incomplete B cell tolerance to cartilage oligomeric matrix protein in mice. *Arthritis Rheum*. 2013 Sep;65(9):2301-9. PMID: [23754310](https://pubmed.ncbi.nlm.nih.gov/23754310/).

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