

Product number  
#10140

## Mouse Anti- Cartilage Oligomeric Matrix Protein Antibody (15A11)

### Description

Affinity purified mouse monoclonal anti- Cartilage Oligomeric Matrix Protein (COMP) antibody clone 15A11 in PBS, sterile filtered (0,2 µm). The 15A11 antibody binds to the fourth EGF (epithelial growth factor) -like domain of murine COMP, comprising residues 232–252, called the P6 epitope<sup>1</sup>. This antibody has been used in applications including immunohistochemistry (IHC)<sup>1</sup>, and *in vivo* functional assays<sup>2</sup>.

### Target

Cartilage Oligomeric Matrix Protein; COMP;  
UniProt: [Q9R0G6](#)

### Immunogen

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

### Species reactivity

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

### Isotype

Mouse IgG1, κ

### Concentration

1 mg/ml

### Sizes available

100 µg / 0.1mL

1 mg / 1mL

### Supplied in

PBS

### Storage

Centrifuge briefly prior to opening 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 dilution for IHC is 1:100.

*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](#).
2. Li Y, Tong D, Liang P, Lönnblom E, Viljanen J, Xu B, Nandakumar KS, Holmdahl R. Cartilage-binding antibodies initiate joint inflammation and promote chronic erosive arthritis. *Arthritis Res Ther*. 2020 May 24;22(1):120. PMID: [32448385](#).

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