



## PRODUCT DATA SHEET

**Product:** Anti-COMP mAb, clone 8H7

**Cat. No.:** MC-806 (10 mL)

**Specificity:**

This antibody is specific for COMP.

**Controls:**

Purified antigen, cartilage extracts or mature cultured chondrocytes.

**Species Reactivity:**

Reacts with rat COMP. Does NOT react with bovine or human. Other species not tested.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Immunogen:**

Pentameric bacterial recombinant fragment corresponding to the N-terminal domain of rat COMP.

**Epitope:**

Resides within a 20 kDa N-terminal portion of the molecule.

**Format:**

10 mL of supernatant containing 0.01% sodium azide.

**Storage and Stability:**

Store at 4°C short term, -20°C long term. Aliquot to avoid freeze/thaw cycles.

**Applications and Suggested Dilutions:**

- ELISA: Use at a 1:5-1:10 dilution.
- Immunohistochemistry: (Not assessed)
- Immunoprecipitation
- Western blotting: Use at a 1:3 dilution

The optimal dilution for a specific application should be determined by the researcher.

**References:**

1. Oldberg et. Al (1992) Journal of Biological Chemistry 267: 22346-50.
2. Newton et al (1994) Genomics 24: 435-39.
3. DiCesare et al (1999) Journal of Orthopaedic Research 13: 422-28.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.