

## PRODUCT DATA SHEET

### **Cartilage Oligomeric Matrix Protein Human, Mouse Monoclonal Antibody, Clone: 12C4**

**Cat. No.:** RD182080100C4-01

**Size:** 0.1 mg

**Source of Antigen:** Human articular cartilage

**Type:** Monoclonal Antibody

**Host:** Mouse

**Isotype:** IgG1, kappa

**Other Names:**

COMP, Thrombospondin-5, TSP5

**Preparation:**

Mouse monoclonal antibody against Human COMP. The antibody was produced in vitro using hybridomas grown in serum-free medium.

**Purification Method:**

Affinity chromatography on a column with immobilized protein G.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. AZIDE FREE.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody  
SDS PAGE – to determine purity of the antibody  
BCA - to determine quantity of the antibody

**Applications:**

Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.