

COMP monoclonal antibody, clone 6G5

Catalog # MAB3751

Size 10 mL

Specification

Product Description	Mouse monoclonal antibody raised against COMP.
Immunogen	Native purified COMP from normal human cartilage.
Host	Mouse
Reactivity	Human
Specificity	Reacts with both reduced and non-reduced human COMP.
Form	Liquid
Isotype	IgM
Recommend Usage	ELISA (1:5-1:10) Western Blot (1:1-1:3) The optimal working dilution should be determined by the end user.
Storage Buffer	In culture supernatant (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COMP

Entrez GeneID	1311
Gene Name	COMP
Gene Alias	EDM1, EPD1, MED, MGC131819, MGC149768, PSACH, THBS5
Gene Description	cartilage oligomeric matrix protein
Omim ID	132400 177170 600310
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfide bonds. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Mutations can cause the osteochondrodysplasias pseudoachondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq]
Other Designations	cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple) cartilage oligomeric matrix protein(pseudoachondroplasia, epiphyseal dysplasia 1, multiple) pseudoachondroplasia (epiphyseal dysplasia 1, multiple) thrombospondin

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoarthritis](#)
- [Osteochondrodysplasias](#)
- [Osteoporosis](#)