MMP13
Mouse Anti-Human Matrix Metallopeptidase 13 mAb

Catalog No.	CMM111	**Quantity:**	100 µg

Alternate Names: Collagenase 3, Matrix Metalloproteinase 13, CLG3, MANDP1

Gene ID: 4322

Description: Mouse Anti-human MMP13 monoclonal antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with purified human recombinant human MMP-13). The IgG1 fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

MMP-13 is distinguished from the other human collagenases by its efficient degradation of type II collagen. MMP13 is expressed by fibroblasts, chrondrocytes and squamous epithelial cells. Structurally, MMP-13 may be divided into several distinct domains: a prodomain which is cleaved upon activation, a catalytic domain containing the zinc binding site, a short hinge region, and a carboxyl terminal (hemopexinlike) domain.

Specificity: Recognizes human MMP13

Host: Mouse

Immunogen: Recombinant human MMP13

Isotype: IgG1

Formulation: Lyophilized from a 0.2 µm sterile filtered solution in PBS

Purification: Protein G affinity chromatography

Reconstitution: **Centrifuge vial prior to opening**. Add 0.5 ml sterile distilled water.

Cross-Reactivity: This antibody recognizes human MMP-13 in Western blot without cross reactivity with other human MMPs. Reactivity to MMP-13 of other species has not been tested.

Applications: Western Blot, Immunohistochemistry. The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Lyophilized antibody is stable for at least 2 years from date of receipt at -20°C to -80°C. Reconstituted antibody can be aliquotted and stored frozen at -20°C to -80°C for at least six months. **Avoid repeated freeze-thaw cycles**.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.