MMP10
Mouse Anti-Human Matrix Metallopeptidase 10 mAb

Catalog No.	CMM109	**Quantity:**	100 µg
Alternate Names:	Matrix Metalloproteinase 10, Stomelysin 2, Transin 2, SL-2, STMY2		
Gene ID:	4319		
Description:	Mouse Anti-human MMP10 monoclonal antibody. The antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with purified human recombinant human MMP-10). Matrix metalloproteinases are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP10 (stromelysin 2) degrades a broad range of substrates including gelatin, collagen types III, IV and V, fibronectin, aggrecan, and pig cartilage proteoglycan. MMP10 can activate other MMPs such as MMP1 and MMP8. MMP10 is expressed in keratinocytes, T cells, menstrual endometrium and a few tumor samples. Structurally, MMP10 may be divided into four distinct domains: a prodomain which is cleaved upon activation, a catalytic domain containing the zinc binding site; a short linker region, and a carboxyl terminal hemopexin- like domain.		
Specificity:	Recognizes human MMP10		
Host:	Mouse		
Immunogen:	Recombinant human MMP10		
Isotype:	IgG2		
Clone:	9G10		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	**Centrifuge vial prior to opening**. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.		
Cross-Reactivity:	No cross-reactivity with other human MMPs		
Applications:	Western Blot: (1:1,000) Immunohistochemistry (Paraffin): (1:50-300) 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. Reconstituted antibody is stable in working aliquots at ≤-20°C for at least six months. **Avoid repeated freeze-thaw cycles**.		

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