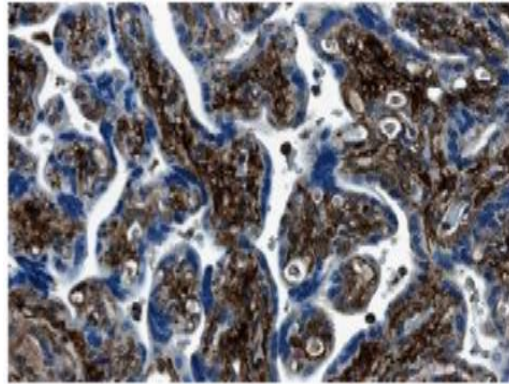


MMP7

Mouse Anti-Human MMP-7 (Clone 4C21) mAb

Catalog No.	CMM116	Quantity:	100 µg
Alternate Names:	Matrilysin, Matrin, Matrix metalloproteinase -7, Pump-1 protease, Uterine metalloproteinase		
Description:	Matrix metalloproteinases (MMPs) are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP-7 (matrilysin) is expressed in epithelial cells of normal and diseased tissues, and is capable of digesting a large series of proteins of the extracellular matrix including collagen IV and X, gelatin, casein, laminin, aggrecan, entactin, elastin and versican. MMP-7 is implicated in the activation of other proteinases such as plasminogen, MMP-1, MMP-2, and MMP-9. In addition to its roles in connective tissue remodeling and cancer, MMP-7 also regulates intestinal α -defensin activation in innate host defense, releases tumor necrosis factor α in a model of herniated disc resorption, and cleaves FasL to generate a soluble form in a model of prostate involution. Structurally, MMP-7 is the smallest of the MMPs and consists of two domains: a prodomain that is cleaved upon activation and a catalytic domain containing the zincbinding site.		
UniProt ID:	P09237		
Gene ID:	4316		
Specificity:	Recognizes human MMP-7		
Immunogen:	Recombinant human MMP-7		
Isotype:	Mouse IgG2		
Clone:	4C21		
Formulation:	Lyophilized from sterile filtered PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial briefly prior to opening. Add 500 µl sterile PBS to the vial for a concentration of 200 µg/ml. Gently mix, allow a few minutes to solubilize completely. Do not vortex.		
Cross-Reactivity:	No reactivity with other human MMPs. Reactivity to MMP-7 from other species was not tested.		
Applications:	Western Blot: suggested dilution 1:500-1:2000 IHC-P: suggested dilution 1:50-1:200		
Storage & Stability:	Lyophilized antibody is stable for at least 1 year from date of receipt at -20°C to -80°C. Reconstituted antibody may be prepared as aliquots and stored at -20°C to -80°C for at least six months. Avoid repeated freeze-thaw cycles.		

Formalin fixed and Paraffin embedded human placenta tissue section was subjected to IHC staining using CMM116



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