

Recombinant MMP9 Matrix Metalloproteinase 9 (Papillary Thyroid Carcinoma Marker) Antibody

Mouse Monoclonal Antibody [Clone r15W2]

Catalog No	Format	Size
4318-MSM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4318-MSM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4318-MSM12-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

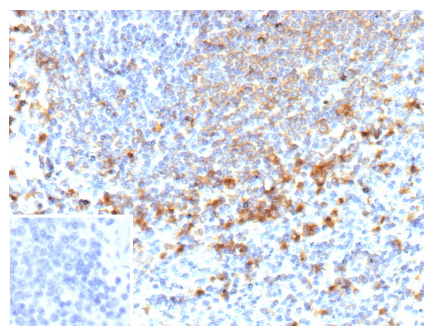
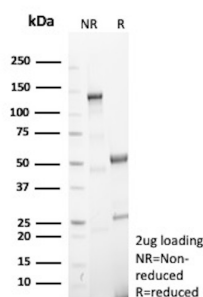
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	r15W2
Gene Name	MMP9
Immunogen	Prokaryotic recombinant protein corresponding to a 134 amino acid portion of the C-terminal region of the mature human MMP9 molecule
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	92kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	Human spleen tissue or human heart tissue.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant MMP9 Matrix Metalloproteinase 9 (Papillary Thyroid Carcinoma Marker) Antibody



SDS-PAGE Analysis of Purified Matrix Metalloproteinase 9 (MMP9) Recombinant Mouse Monoclonal Antibody (r15W2). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human spleen stained with Matrix Metalloproteinase 9 (MMP9) Recombinant Mouse Monoclonal Antibody (r15W2). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The matrix metalloproteinases (MMPs) are a family of zinc containing enzymes involved in the degradation of different components of the extracellular matrix and tissue remodelling. MMPs, which are expressed widely during growth and development, have been classified into collagenases, gelatinases and stromelysins, based on the in vitro substrate specificity. More recently several MMPs have been identified as membrane-type specific and matrilysin families. MMPs are multidomain proteins and are secreted as inactive precursors, which are activated by cleavage of an N-terminal pro-peptide. The major natural inhibitors of MMPs are tissue inhibitors of matrix metalloproteinases (TIMPs) which complex with MMPs and are involved in regulating the activity and activation of individual MMPs. MMP9 degrades collagen type IV, a major component of extracellular matrix. MMP9 is also reported to be observed immunohistochemically in normal kidney tubules, hepatocytes, spermatids, myocytes, stomach parietal cells, prostatic columnar epithelium and uterine cells.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Angiogenesis, BBB VCAM-1 Signaling, Bladder Cancer, Cardiovascular, Colon Cancer, Cytokine Signaling, Developmental Biology, Immunology, Signal Transduction
