

Product datasheet for **TA326571**

Mmp9 Mouse Monoclonal Antibody [Clone ID: S51-82]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S51-82
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1-708 (full length) of rat MMP9
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	matrix metalloproteinase 9
Database Link:	NP_112317 Entrez Gene 4318 Human Entrez Gene 17395 Mouse Entrez Gene 81687 Rat P50282

Background: MMP9, otherwise known as matrix metalloproteinase 9, is involved in the breakdown of extracellular matrix in normal physiological processes such as embryonic development, reproduction and tissue remodeling, as well as in disease processes like arthritis and metastasis. Among the family members, MMP-2, MMP-3, MMP-7 and MMP-9 have been characterized as important factors for normal tissue remodeling during embryonic development, wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis. MMP activity correlates with cancer development. One mechanism of MMP regulation is transcriptional. Once synthesized, MMP exists as a latent proenzyme. Maximum MMP activity requires proteolytic cleavage to generate active MMPs by releasing the inhibitory propeptide domain from the full length protein.

Synonyms: CLG4B; GELB; MANDP2; MMP-9



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Note: Detects ~92kDa and ~82kDa (pro and active forms)