

bs-1913R**[Primary Antibody]****MMP8 Rabbit pAb****Bioss**
ANTIBODIES

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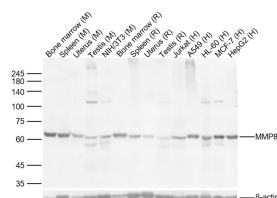
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 4317	SWISS: P22894	
Target: MMP8		Predicted MW.: 38 kDa
Immunogen: KLH conjugated synthetic peptide derived from human MMP8: 241-340/467.		Subcellular Location: Secreted ,Extracellular
Purification: affinity purified by Protein A		Location: matrix ,Cytoplasm
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Proteins of the matrix metalloproteinase (MMP) family are 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, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]		

VALIDATION IMAGES

Sample: Lane 1: Mouse Bone marrow Lysates
 Lane 2: Mouse Spleen Lysates Lane 3: Mouse Uterus Lysates Lane 4: Mouse Testis Lysates
 Lane 5: Mouse NIH/3T3 cell Lysates Lane 6: Rat Bone marrow Lysates Lane 7: Rat Spleen Lysates
 Lane 8: Rat Uterus Lysates Lane 9: Rat Testis Lysates Lane 10: Human Jurkat cell Lysates Lane 11: Human A549 cell Lysates Lane 12: Human HL-60 cell Lysates Lane 13: Human MCF-7 cell Lysates Lane 14: Human HepG2 cell Lysates
 Primary: Anti-MMP8 (bs-1913R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38kDa Observed band size: 60kDa

SELECTED CITATIONS

- **[IF=5.246]** Yin Zhuang, et al. Exosomes Secreted by Nucleus Pulposus Stem Cells Derived From Degenerative Intervertebral Disc Exacerbate Annulus Fibrosus Cell Degradation via Let-7b-5p. Front Mol Biosci. 2021; 8: 766115 WB ;Human. 35111808

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.27]** Oralova, V., et al. "Osteogenic Potential of the Transcription Factor c-MYB." *Calcified Tissue International*: 1-12. WB ;Mouse. 28012106
- **[IF=3.04]** Sîrbulescu, Ruxandra F., et al. "Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions." *Wound Repair and Regeneration* (2017). IHC ;Mouse. 28922523
- **[IF=2.35]** Zhang, Chao-ying, et al. "Hydrogen sulfide suppresses the expression of MMP-8, MMP-13, and TIMP-1 in left ventricles of rats with cardiac volume overload." *Acta Pharmacologica Sinica* (2013). Other ;Rat. 23974514