

## MMP 9 Metalloproteinase Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 29022 (clone S51-82)  
**Size:** 100ug in PBS (1mg/ml), pH 7.4,  
50% glycerol, 0.09% sodium azide.  
Purified by Protein G affinity  
chromatography.

### BACKGROUND

MMP 9 is involved in the breakdown of extracellular matrix in embryonic development, reproduction, wound healing, and tissue remodeling as well as in disease processes such as arthritis and metastasis. Once synthesized, MMPs exist as latent proenzymes. Maximum MMP activity requires proteolytic cleavage of the proenzyme to generate active MMP by releasing the inhibitory propeptide domain from the full-length protein.

### SPECIFICATION SUMMARY

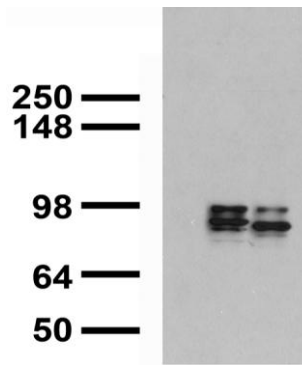
**Antigen:** Fusion protein corresponding to aa 1-708 (full-length) of rat MMP 9 (accession no. NP\_112317).  
**Host Species:** Mouse  
**Antibody Class:** IgG2a

### SPECIFICITY

This antibody recognizes human, mouse, and rat MMP 9.

### APPLICATIONS

*Immunoblotting:* use at 1-2ug/ml. Bands of ~92 and 82kDa (proenzyme and active enzyme) are detected.



Adult rat brain immunoblot

*Immunohistochemistry:* use at 1-5ug/ml. These are recommended concentrations. Enduser should determine optimal concentrations for their applications.  
*Positive control:* rat brain lysate.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This product is stable for at least 1 year at -20°C. Freeze in multiple aliquots to avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*