

## Mouse Monoclonal Antibody to MMP1

<b>Catalogue Number</b>	sAP-0586
<b>Target Molecule</b>	<p><b>Name: MMP1</b></p> <p><b>Aliases:</b> CLG; CLGN</p> <p><b>MW: 54kDa</b></p> <p><b>Entrez Gene ID: 4312</b></p>
<b>Description</b>	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. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.
<b>Immunogen</b>	Purified recombinant fragment of human MMP1 expressed in E. Coli. ;
<b>Reactive Species</b>	Human
<b>Clone</b>	MM6A5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Arthritis Res Ther. 2009;11(6):R169. ; 2. FEMS Microbiol Lett. 2009 Oct;299(2):214-22.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**