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Datasheet for ABIN969287

anti-MMP1 antibody

5 Images

2 Publications

Overview

Quantity:	100 µL
Target:	MMP1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human MMP1 expressed in E. coli.
Clone:	6A5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MMP1
Alternative Name:	MMP1 (MMP1 Products)
Background:	Description: 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

Target Details

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.

Aliases: CLG, CLGN

Molecular Weight: 54 kDa

Gene ID: 4312

HGNC: 4312

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

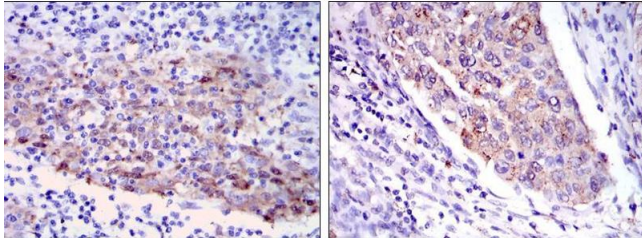
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

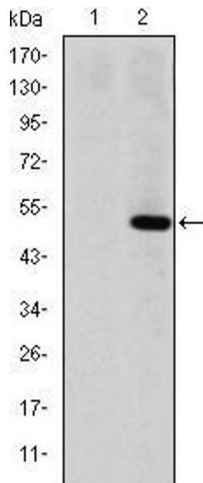
Product cited in: Genevay, Finckh, Mezin, Tessitore, Guerne: "Influence of cytokine inhibitors on concentration and activity of MMP-1 and MMP-3 in disc herniation." in: **Arthritis research & therapy**, Vol. 11, Issue 6, pp. R169, (2010) ([PubMed](#)).

Guan, Shu, Fu, Liu, Xu, Wu: "Prevotella intermedia upregulates MMP-1 and MMP-8 expression in human periodontal ligament cells." in: **FEMS microbiology letters**, Vol. 299, Issue 2, pp. 214-22, (2009) ([PubMed](#)).



Immunohistochemistry

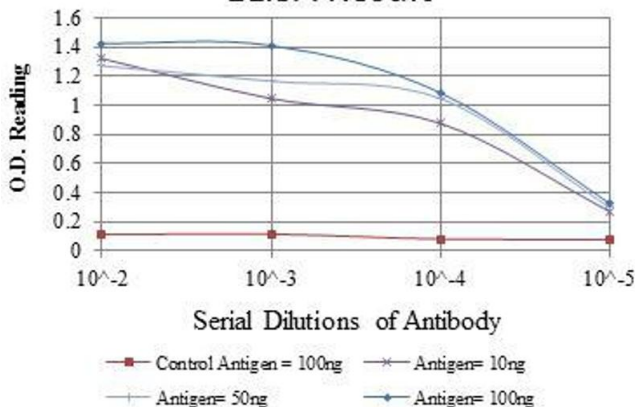
Image 1. Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues (left) and human kidney cancer tissues (right) using MMP1 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using MMP1 mAb against HEK293 (1) and MMP1(AA: 24-213)-hIgGFc transfected HEK293 (2) cell lysate.

ELISA Result



ELISA

Image 3. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969287.