

Mouse Monoclonal Antibody to MMP2

Catalogue Number sAP-0787

Target Molecule **Name:** MMP2

Aliases: CLG4; MONA; CLG4A; TBE-1; MMP-II

MW: 73.8kDa

Entrez Gene ID: 4313

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 arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcript variants encoding different isoforms have been

Immunogen Purified recombinant fragment of human MMP2 (AA: 242-396) expressed in E. Coli.

Recitative Species Human;

Clone MM4D1E2;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1.Br J Cancer. 2012 Apr 24;106(9):1495-8. ; 2.Iran J Immunol. 2011 Jun;8(2):120-6. ;

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**