



MOUSE ANTI-HUMAN MMP-13 (COLLAGENASE-3) MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB13424
LOT NUMBER:	2465149
QUANTITY:	100 µg
CONCENTRATION:	400 µg/mL
SPECIFICITY:	<p>It recognizes proteins of ~60 kDa and ~48 kDa which are identified as pro (latent) and activate forms of matrix metalloproteinase-13 (MMP-13; also known as Collagenase-3). Shows no cross reactivity with the pro and active forms of other MMPs. Human collagenase-3 (MMP13) is a recently identified member of the matrix metalloproteinase (MMP) family that is expressed in breast carcinomas and in articular cartilage from arthritic patients. The MMP-13 gene has been isolated and characterized. This gene is composed of 10 exons and 9 introns and spans over 12.5 kb. The overall organization of the collagenase-3 gene is similar to that of other MMP genes clustered at chromosome 11q22, including fibroblast collagenase (MMP-1), matrilysin (MMP-7), and macrophage metalloelastase (MMP-12), but is more distantly related to genes coding for stromelysin-3 (MMP-11), gelatinase-A (MMP-2), and gelatinase-B (MMP-9), which map outside of this gene cluster. <i>Cellular Localization: Cytoplasmic</i></p>
ISOTYPE:	IgG ₁
IMMUNOGEN:	Human recombinant collagenase-3 protein.
CLONE:	VIIIA2
APPLICATIONS:	<p>Immunohistochemistry (frozen and formalin-fixed/paraffin*): 5-10 µg/mL for 30-60 minutes at room temperature. * Staining of formalin-fixed tissues requires boiling of tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes. Immunoprecipitation (native verified): 2 µg/mg protein lysate (use protein G) <i>Optimal working dilutions must be determined by end user.</i></p>
POSITIVE CONTROL:	Conditioned, serum-free medium from (TPA-treated) human chondrosarcoma SW1353 cells. Placenta. Bladder, breast, ovarian carcinomas.
SPECIES REACTIVITIES:	Human, rabbit and mouse. Others not tested.
FORMAT:	Purified from ascites fluid by Protein G chromatography.
PRESENTATION:	Liquid in 10 mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
STORAGE/HANDLING:	Maintain at 2-8°C in undiluted aliquots for up to 12 months after date of receipt.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 – 2013 Merck KGaA, Darmstadt. All rights reserved. No part of these works may be reproduced in any form without permission in writing.