

**MOUSE ANTI-HUMAN MT1-MMP
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB3319	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	2 mg/mL
CLONE NAME:	114-6G6	HOST/ISOTYPE:	IgG1kappa
SPECIFICITY:	The antibody specifically reacts with human MT1-MMP. This is a purified mouse monoclonal antibody to an oligopeptide of REVPYAYIREGHEK (residue 160-173) on human membrane-type 1 matrix metalloproteinase (human MT1-MMP) and does not react with mouse or rat. However, this sequence is identical in mouse and rat MT1-MMP. For unknown reasons this antibody does not react on westerns to CC1043.		
APPLICATIONS:	Immunoblotting (2): 8-20 µg/mL Immunohistochemistry on paraffin-embedded tissue sections, use at 20 µg/mL concentration (2,4). Requires periodate-lysine-paraformaldehyde fixative (3) for 18-24 hrs. @ 4°C. EIA <i>Optimal working dilutions must be determined by end user.</i>		
SPECIES REACTIVITY:	Does not cross-react with rat and pig MT1-MMP		
PRESENTATION:	Purified immunoglobulin. Liquid in 0.1 M sodium phosphate buffer, pH 7.0 containing 2% protease free bovine serum albumin.		
STORAGE/HANDLING:	Maintain frozen at -20°C in undiluted aliquots for up to 12 months.		
REFERENCES:	<ol style="list-style-type: none">1. Sato, H. et al. (1994). A matrix metalloproteinase expressed on the surface of invasive tumor cells. <i>Nature</i> 370: 61-65.2. Ueno, H. et al. (1997). Expression and tissue localization of membrane-types 1, 2, and 3 matrix metalloproteases in human invasive breast carcinomas. <i>Cancer Res.</i> 57: 2055-2060.3. Namura, H. et al. (1995). <i>Cancer Res.</i> 55: 3263-66.4. Nakamura, H. et al. (1999) Enhanced Production and Activation of Progelatinase A Mediated by Membrane Type 1 Matrix Metalloproteinase in Human Papillary Thyroid Carcinomas. <i>Cancer Res.</i> 59: 467-473.		

For research use only; not for use as a diagnostic.

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 µL 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.*

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