



## Anti-hMMP-1 monoclonal antibody purified mouse IgG

This is a purified mouse monoclonal antibody to an oligopeptide of VQGQNVLHGYPKDIYSSFG (residue 332 to 350) \*\* on human matrix metalloproteinase 1 (hMMP-1, interstitial collagenase).

\*\* numbered from propeptide.

Product No. DFK-F-67-EX  
 Clone No. 41-1E5  
 Subclass / type IgG2a / kappa  
 Specificity / Immunogen The antibody specifically reacts with precursor and active forms of hMMP-1, but not with the hMMP-2, -3, -8, -9, -13.

Species	human	mouse	rat	rabbit	Other
Reactivity	(+)	NT	NT	(+)	bovine (-)

NT; not tested

Applications (reference concentration)	Western Blotting	1 µg / mL
	Paraffin Sections	1 – 5 µg / mL <sup>5)</sup>
	Frozen Sections	0.32 µg / mL <sup>7)</sup>

Optimal working dilutions must be determined by end user.

Concentration 500 µg / mL  
 Presentation Liquid in 0.1M Na-Phosphate buffer, pH7.0, with 0.5 % protease-free BSA and 0.05 % sodium azide.  
 Volume 1 mL  
 Storage Maintain at 2-8 °C in undiluted aliquots for up to 12 months. Do not freeze.  
 References  
 1) Okada, Y. et al., Virchows Archiv B Cell Pathol., 59, 305-312, 1990.  
 2) Zhang, J. et al., Clin. Chim. Acta, 219, 1-14, 1993.  
 3) Matsuki, H. et al., Clin. Chim. Acta, 244, 129-143, 1996  
 4) Knäuper, V. et al., J. Biol. Chem., 271, 1544-1550, 1996.  
 5) Umehara, F. et al., J. Neuropathol. Exp. Neurol., 57, 839-849, 1998.  
 6) Tatsuguchi, A. et al., Digestion, 60, 246-254, 1999.  
 7) Nakagawa, T. et al., J. Neurosurg., 81, 69-77, 1994.

Note For laboratory use only

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