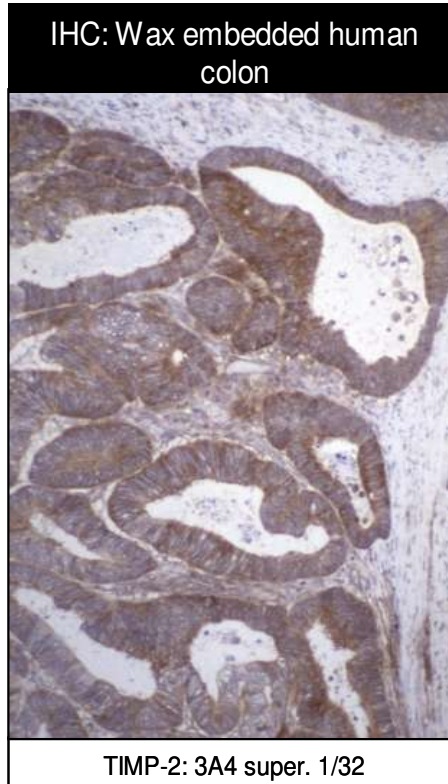


MONOCLONAL ANTIBODY DATASHEET



clone 3A4 against human TIMP-2

Specificity	human tissue inhibitor of matrix metalloproteinases 2 (TIMP-2)
Tested species	Mouse, rat, sheep
Description	monoclonal antibody against TIMP-2, supplied as hybridoma supernatant
Isotype	IgG2b _κ
Clone	3A4
Purification	unpurified; supplied as hybridoma supernatant
Immunogen	Ovalbumin-conjugated synthetic peptide; DSGNDIYGNPI
B Cell Donor	BALB-c mouse
Fusion Partner	Ag 8563
Positive Control	IHC: formalin-fixed, paraffin-embedded colonic adenocarcinoma western blot: rhTIMP-2, 400 ng per lane
Acceptance Criteria	(i) no X-reactivity with TIMP-1 in immunoblot, (ii) staining in antigen-positive wax-embedded tissues
Cross-reactivity	western blot: not reactive with TIMP-1



Applications		Recommended Dilution	Recommended Pretreatment
ELISA	✓	1/10	n/a
Western Blot	✓	undiluted	n/a
IHC	✓	1/32	antigen retrieval: microwave 7 min @ 950W in 0.01M sodium citrate buffer, pH 6.0

Tissues tested for TIMP-2 expression using MAb 3A4	pattern of staining	reference no.
human normal gastric epithelium	-ve	1
human normal macrophage	+ve	1
human gastric adenocarcinoma	+ve in 42/74	1
human colonic adenocarcinoma	see photo above	

References	1	Murray GI, Duncan ME, Arbuckle E, Melvin WT, Fothergill JE (1998) Matrix metalloproteinases and their inhibitors in gastric cancer. <i>Gut</i> 43: 791-797.
	2	Curran et al (2004) <i>Clin Cancer Res.</i> 10: 8229-8234.
	3	Jeffery et al (2009) <i>Histopathology.</i> 54: 820-828.
	4	Lyall et al (2006) <i>Clin Cancer Res.</i> 12:1184- 1191.

