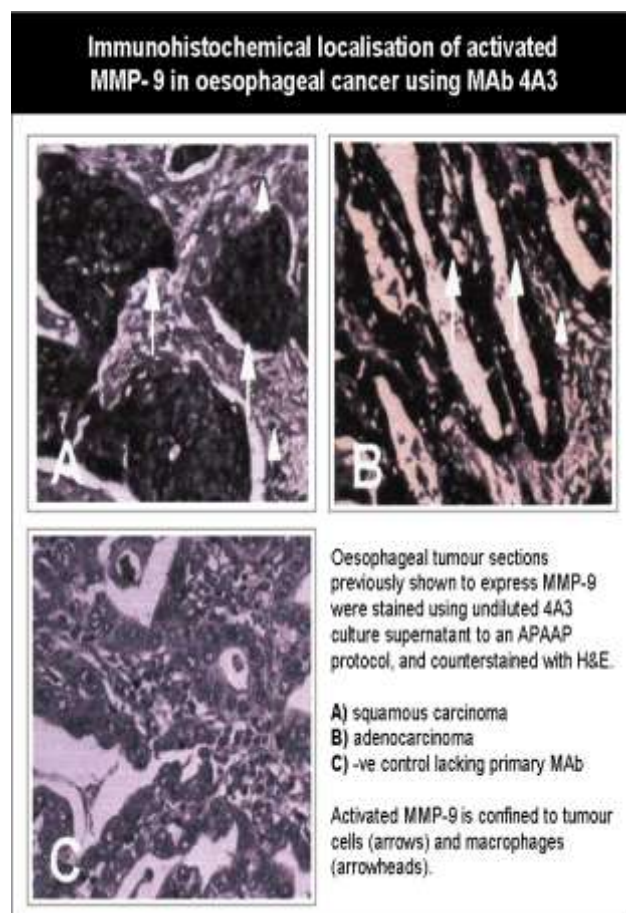


# MONOCLONAL ANTIBODY DATASHEET



## Clone 4A3, specific to human *activated* MMP-9

<b>Specificity</b>	<i>activated</i> human matrix metalloproteinase 9 (a-MMP-9)
<b>Description</b>	monoclonal antibody against activated form of MMP-9, supplied as hybridoma supernatant
<b>Isotype</b>	IgG1 <sub>k</sub>
<b>Clone</b>	4A3
<b>Purification</b>	unpurified; supplied as hybridoma supernatant
<b>Immunogen</b>	Ovalbumin-conjugated synthetic peptide; acetylated-FQTFEGDLK
<b>B Cell Donor</b>	BALB-c mouse
<b>Fusion Partner</b>	Ag 8563
<b>Positive Control</b>	<b>IHC:</b> Formaldehyde-fixed, wax-embedded oesophageal adenocarcinoma <b>Western Blot</b> Activated recombinant MMP-9, 400ng per lane
<b>Acceptance criteria</b>	(i) no cross-reactivity in immunoblot panel (MMP-1, -2, -3); (ii) staining in antigen-positive wax-imbedded tissues
<b>Cross-reactivity</b>	Western Blot: not reactive with proenzyme of MMP-9, nor proenzyme or activated forms of MMP-2



Applications		Recommended Dilution	Recommended Pretreatment
ELISA (peptide immunogen)	✓	undiluted	n/a
Western Blot	✓	undiluted	n/a
IHC	✓	undilution	No pretreatment necessary

Tissues tested for aMMP-9 expression using 4A3 MAb	Staining pattern	Ref No.
Oesophageal adenocarcinoma & squamous carcinoma	+ve in all sections examined	1
<b>References</b>	<b>1</b> Duncan ME, Richardson JP, Murray GI, Melvin WT & Fothergill JE (1998) Human matrix metalloproteinase-9: activation by limited trypsin treatment and generation of monoclonal antibodies specific for the activated form. <i>Eur. J. Biochem.</i> <b>258</b> :37-43.	

