FIGURE 1

Anti-MMP9 humanized heavy chains

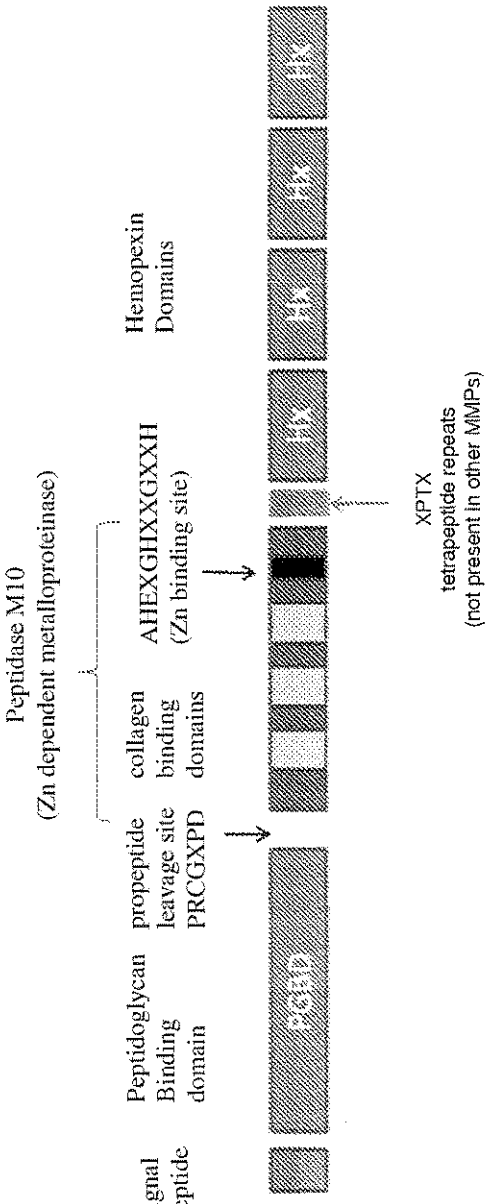
AB0041	QVQLKESGPG LVAPSQSLSI TCTVS*GFSLL* *SYGVHW*VRQP PGKGLEWLG*V*	
VH1	QVQLQESGPG LVKPSETLSL TCTVS*GFSLL* *SYGVHW*VRQP PGKGLEWLG*V*	
VH2	QVQLQESGPG LVKPSETLSL TCTVS*GFSLL* *SYGVHW*VRQP PGKGLEWLG*V*	
VH3	QVQLQESGPG LVKPSETLSL TCTVS*GFSLL* *SYGVHW*VRQP PGKGLEWLG*V*	
VH4	QVQLQESGPG LVKPSETLSL TCTVS*GFSLL* *SYGVHW*VRQP PGKGLEWLG*V*	
AB0041	*IWTGGTTNYN* *SALMS*RLSIS KDDSKSQVFL KMNSLQTDDT AIYYCARYYY	
VH1	*IWTGGTTNYN* *SALMS*RLTIS KDDSKSTVYL KMNSLKTEDT AIYYCARYYY	
VH2	*IWTGGTTNYN* *SALMS*RLTIS KDDSKNTVYL KMNSLKTEDT AIYYCARYYY	
VH3	*IWTGGTTNYN* *SALMS*RFTIS KDDSKNTVYL KMNSLKTEDT AIYYCARYYY	
VH4	*IWTGGTTNYN* *SALMS*RFTIS KDDSKNTLYL KMNSLKTEDT AIYYCARYYY	
AB0041	*GMDY*WGQGTS VTVSS (SEQ ID NO:3)	
VH1	*GMDY*WGQGTS VTVSS (SEQ ID NO:5)	
VH2	*GMDY*WGQGTL VTVSS (SEQ ID NO:6)	
VH3	*GMDY*WGQGTL VTVSS (SEQ ID NO:7)	
VH4	*GMDY*WGQGTL VTVSS (SEQ ID NO:8)	

FIGURE 2

Anti-MMP9 humanized light chains

AB0041	DIVMTQSHKF MSTSVGDRVS ITC*KASQDVR* *NTVA*WYQQKT GQSPKLLIY*S*	
Vk1	DIVMTQSPSF LSASVGDRVT ITC*KASQDVR* *NTVA*WYQQKT GKAPKLLIY*S*	
Vk2	DIVMTQSPSS LSASVGDRVT ITC*KASQDVR* *NTVA*WYQQKP GKAPKLLIY*S*	
Vk3	DIQMTQSPSS LSASVGDRVT ITC*KASQDVR* *NTVA*WYQQKP GKAPKLLIY*S*	
Vk4	DIQMTQSPSS LSASVGDRVT ITC*KASQDVR* *NTVA*WYQQKP GKAPKLLIY*S*	
AB0041	*SSYRNT*GVPD RFTGSGSGTD FTFTISSVQA EDLAVYFC*QQ* *HYITPYT*FGG	
Vk1	*SSYRNT*GVPD RFTGSGSGTD FTLTISSLQA EDVAVYFC*QQ* *HYITPYT*FGG	
Vk2	*SSYRNT*GVPD RFTGSGSGTD FTLTISSLQA EDVAVYFC*QQ* *HYITPYT*FGG	
Vk3	*SSYRNT*GVPD RFSGSGSGTD FTLTISSLQA EDVAVYFC*QQ* *HYITPYT*FGG	
Vk4	*SSYRNT*GVPD RFSGSGSGTD FTLTISSLQA EDVAVYYC*QQ* *HYITPYT*FGG	
AB0041	GTKLEIK	(SEQ ID NO:4)
Vk1	GTKVEIK	(SEQ ID NO:9)
Vk2	GTKVEIK	(SEQ ID NO:10)
Vk3	GTKVEIK	(SEQ ID NO:11)
Vk4	GTKVEIK	(SEQ ID NO:12)

FIGURE 3


Peptidase M10
(Zn dependent metalloproteinase)
Hemopexin
Domains
Signal peptide
Peptidoglycan Binding domain
propeptide leavage site PRCGXPD
collagen binding domains
AHEXGHXXGXXH
(Zn binding site)
XPTX
tetrapeptide repeats
(not present in other MMPs)