

MMP8 (Cleaved-Leu101) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11342
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human MMP8 (Cleaved-Leu101)
Mol wt	51370
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	MMP8
Synonyms	MMP8 ;Cleaved-Leu101; Neutrophil collagenase; EC 3.4.24.34; Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Catalytic activity: Cleavage of interstitial collagens in the triple helical domain. Unlike EC 3.4.24.7| this enzyme cleaves type III collagen more slowly than type I. |cofactor: Binds 2 zinc ions per subunit. |cofactor: Binds 3 calcium ions per subunit. |The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion| thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. |enzyme regulation: Cannot be activated without removal of the activation peptide. |Can degrade fibrillar type I| II| and III collagens. |Belongs to the peptidase M10A family. |Contains 4 hemopexin-like domains. |subcellular location: Stored in intracellular granules. |tissue specificity: Neutrophils. |

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year