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32-9393: Recombinant Mouse Matrix Metalloproteinase-9/MMP-9

Alternative Name : Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB

Description

Source : Human Cells;
Matrix metalloproteinases are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP-9 (gelatinase B) can degrade a broad range of substrates including gelatin, collagen types IV and V, elastin and proteoglycan core protein. It is believed to act synergistically with interstitial collagenase (MMP1) in the degradation of fibrillar collagens as it degrades their denatured gelatin forms. MMP-9 is produced by keratinocytes, monocytes, macrophages and PMN leukocytes. MMP-9 is present in most cases of inflammatory responses. Structurally, MMP-9 may be divided into five distinct domains: a prodomain which is cleaved upon activation, a gelatinbinding domain consisting of three contiguous fibronectin type II units, a catalytic domain containing the zinc binding site, a prolinerich linker region, and a carboxyl terminal hemopexinlike domain.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.

Amino Acid : Recombinant Mouse Matrix Metalloproteinase-9 is produced by our Mammalian expression system and the target gene encoding Ala20-Pro730 is expressed with a 10His tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.