



## Human Matrix metalloproteinase-8 ELISA Kit (2 plates)

<b>Catalogue No.:</b>	BEK-2072-2P
<b>Description:</b>	The human Matrix metalloproteinase-8 (MMP-8) Kit is a sandwich ELISA. The capture antibody is a polyclonal human MMP-8 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known MMP-8 concentration are added to these wells and allowed to complex with the bound MMP-8 antibody. A biotinylated human MMP-8 polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of MMP-8 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human MMP-8 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.
<b>Batch No.:</b>	See product labels
<b>Antigen:</b>	The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases. All MMPs are synthesized as inactive proenzymes. The activation of these proenzymes is a critical step that leads to degradation of extracellular matrix components such as fibronectin and collagen type III. MMP8 is known to degrade fibrillar type I, II, and III collagens.
<b>Other Names:</b>	Neutrophil collagenase; EC 3.4.24.34; Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL; MMP8; CLG1;
<b>Accession:</b>	P22894 MMP8_HUMAN;
<b>Specificity:</b>	Human MMP-8
<b>Storage:</b>	Store at 2-8C
<b>Kit components:</b>	The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.
<b>Range:</b>	156 pg/mL - 10,000 pg/mL
<b>Sensitivity:</b>	< 10 pg/ml
<b>Kit protocol:</b>	Please refer to our online product listing for current protocol/MSDS versions.

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FOR RESEARCH USE ONLY