

MMP-9 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78175
Synonyms:	MMP-9; GELB; CLG4B; MANDP2; Gelatinase B
Species:	Human
Source:	HEK293
Accession:	P14780 (A20-D707)
Gene ID:	4318
Molecular Weight:	95-105 kDa

PROPERTIES

AA Sequence

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A P R Q R Q S T L V   L F P G D L R T N L   T D R Q L A E E Y L   Y R Y G Y T R V A E
M R G E S K S L G P   A L L L L Q K Q L S   L P E T G E L D S A   T L K A M R T P R C
G V P D L G R F Q T   F E G D L K W H H H   N I T Y W I Q N Y S   E D L P R A V I D D
A F A R A F A L W S   A V T P L T F T R V   Y S R D A D I V I Q   F G V A E H G D G Y
P F D G K D G L L A   H A F P P G P G I Q   G D A H F D D D E L   W S L G K G V V V P
T R F G N A D G A A   C H F P F I F E G R   S Y S A C T T D G R   S D G L P W C S T T
A N Y D T D D R F G   F C P S E R L Y T Q   D G N A D G K P C Q   F P F I F Q G Q S Y
S A C T T D G R S D   G Y R W C A T T A N   Y D R D K L F G F C   P T R A D S T V M G
G N S A G E L C V F   P F T F L G K E Y S   T C T S E G R G D G   R L W C A T T S N F
D S D K K W G F C P   D Q G Y S L F L V A   A H E F G H A L G L   D H S S V P E A L M
Y P M Y R F T E G P   P L H K D D V N G I   R H L Y G P R P E P   E P R P P T T T T P
Q P T A P P T V C P   T G P P T V H P S E   R P T A G P T G P P   S A G P T G P P T A
G P S T A T T V P L   S P V D D A C N V N   I F D A I A E I G N   Q L Y L F K D G K Y
W R F S E G R G S R   P Q G P F L I A D K   W P A L P R K L D S   V F E E R L S K K L
F F F S G R Q V W V   Y T G A S V L G P R   R L D K L G L G A D   V A Q V T G A L R S
G R G K M L L F S G   R R L W R F D V K A   Q M V D P R S A S E   V D R M F P G V P L
D T H D V F Q Y R E   K A Y F C Q D R F Y   W R V S S R S E L N   Q V D Q V G Y V T Y
D I L Q C P E D
  
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Biological Activity

1. Immobilized Biotinylated Human MMP-9 His at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-MMP-9 Antibody hFc with the EC₅₀ of 28.8 ng/mL determined by ELISA.
2. Immobilized Anti-MMP-9 Antibody, hFc Tag at 0.5 µg/mL (100 µl/well) on the plate. Doseresponse curve for Biotinylated Human MMP-9, His Tag with the EC₅₀ of 14.3 ng/mL determined by ELISA.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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