

## MMP-9 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700893
Synonyms:	MMP-9; GELB; CLG4B; MANDP2; Gelatinase B
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5UU71 (A20-D706)
Gene ID:	102117693
Molecular Weight:	85-100 kDa

### PROPERTIES

Biological Activity	Immobilized Cynomolgus MMP-9, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-MMP-9 Antibody, hFc Tag with the EC <sub>50</sub> of 18.8ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% 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 <sub>2</sub> 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 (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	MMP-9 Protein, a matrix metalloproteinase, plays a crucial role in local proteolysis of the extracellular matrix and facilitates leukocyte migration. It could be involved in bone osteoclastic resorption and cleaves KiSS1 at a specific Gly- -Leu bond. Additionally, MMP-9 cleaves NINJ1 to generate the Secreted ninjurin-1 form and processes type IV and type V collagen into large C-terminal three-quarter fragments and shorter N-terminal one-quarter fragments. While degrading fibronectin, MMP-9 does not impact laminin or Pz-peptide, showcasing its selectivity in substrate cleavage.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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