

Human MMP-8 protein (Recombinant) (C-His) (STJP003073)

GENERAL INFORMATION

Product Type	Proteins
Host / Source	HEK293 cells

PRODUCT PROPERTIES

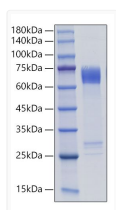
Formulation	Lyophilised from a 0.2 M filtered solution of 50mM Tris, 10 mM CaCl ₂ , 150 mM NaCl, pH 7.5.
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

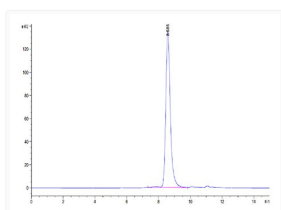
Gene ID	4317
Gene Symbol	MMP8
UniProt ID	MMP8_HUMAN
Immunogen Region	Phe21-Gly467
Immunogen Sequence	KCSGPPPPCPPPCPSCHPSL SLQRPALDLLGSDASLTC TLNGLRNPEGAVFTWEPSTG KDAVQKKAVQNSCGCYSVSS VLPGCAERWNSGASFKCTVT HPESDLTGTIAKVTNTFP PQVHLLPPPSEELALNELVS LTCLVRAFNPKEVLVRWLHG NEELSPESYLVEPLKEPGE GATTYLVTSVLRVSAELWKQ GDQYSCMVGHEALPMNFTQK TIDRLSGKPTNVSVSIVMS

ADDITIONAL INFORMATION

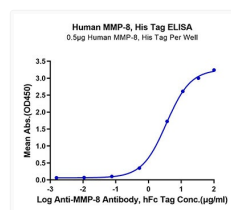
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



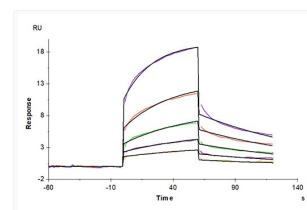
Recombinant Human MMP-8 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-75kDa.



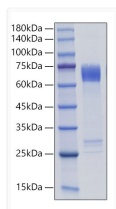
The purity of Human MMP-8 is greater than 95% as determined by SEC-HPLC.



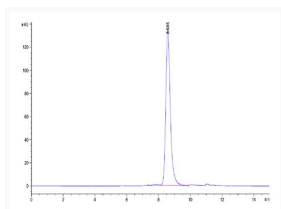
Immobilized Human MMP-8, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-MMP-8 Antibody, hFc Tag with the EC₅₀ of 3.5 µg/ml determined by ELISA.



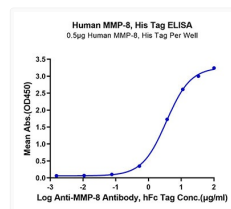
Anti-MMP-8 Antibody captured on CM5 Chip via Protein A can bind Human MMP-8, His Tag with an affinity constant of 1.14 µM as determined in SPR assay (Biacore T200).



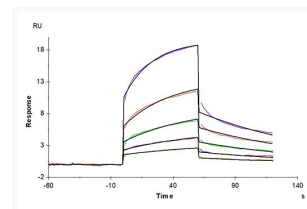
Recombinant Human MMP-8 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



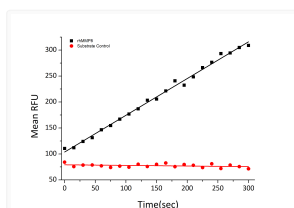
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Recombinant Human MMP-8 Protein cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH₂ (RD, Catalog # ES001). The specific activity is >194 pmol/min/µg, as measured under the described conditions.