

Human MMP8 ELISA Kit

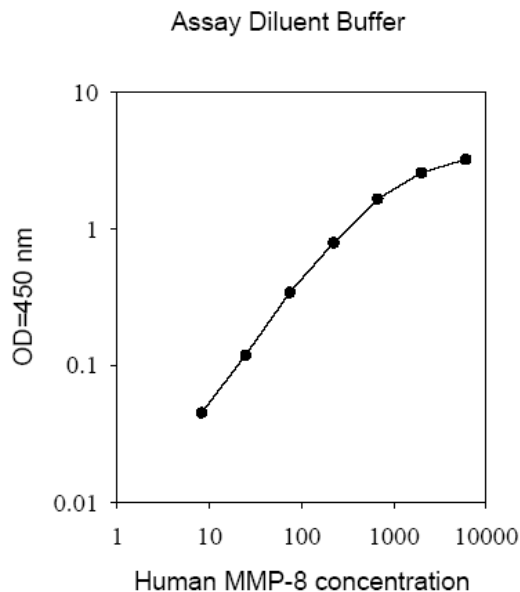
Catalog No. CKH175

Quantity: 1 x 96 tests

Description This assay employs an antibody specific for human MMP8 coated on a 96-well plate. Standards and samples are pipetted into the wells and MMP8 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human MMP8 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MMP8 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Application The Cell Sciences Human MMP8 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of human MMP8 in serum, plasma (Collect plasma using heparin as an anticoagulant. EDTA and Citrate are not recommended), cell culture supernatants and urine.

Typical Data



Sensitivity The minimum detectable dose of MMP8 is typically less than 6 pg/ml.

Recovery Determined by spiking various levels of human MMP8 into human serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	94.75	83-103
Plasma	97.13	85-104
Cell culture media	95.44	84-103



Linearity

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected Range (%)	94 83-103	96 84-104	97 85-104
1:4	Avg. % of Expected Range (%)	95 84-104	93 82-102	96 83-103
1:8	Avg. % of Expected Range (%)	96 83-102	95 83-103	95 84-104

Reproducibility Intra-Assay: CV < 10%
Inter-Assay: CV < 12%

Storage and Stability

- Product can be stored for up to 5 months from date of receipt at 2-4°C.
- Standard (recombinant protein) should be stored at -20°C or -80°C after reconstitution.
- Opened Microplate Wells and reagents can be stored for up to one month at 2-4°C.

NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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