

Human MMP-13 ELISA Kit | MMP-13 elisa kit

MMP-13 Human ELISA Kit

CATALOG # AAA58879	REACTIVITY Human	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

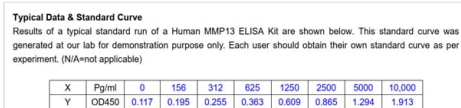
PRODUCT SYNONYMS

MMP-13; MMP-13 Human ELISA Kit; Human MMP-13; MMP-13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 5 pg/ml
Applicable Applications for MMP-13 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-13 elisa kit

Background: Matrix metalloproteinase 13 (MMP13) is a member of the matrix metalloproteinase (MMP) family. Like most MMPs it secreted as an inactive pro-form. During embryonic development, MMP13 is expressed in the skeleton as required for restructuring the collagen matrix for bone mineralization. In pathological situations it is highly overexpressed, this occurs in human carcinomas and in rheumatoid arthritis and osteoarthritis. the expression of MMP13 in osteoarthritic cartilage and its activity against type II collagen indicates that the enzyme plays a significant role in cartilage collagen degradation and must, therefore, form part of a complex target for proposed therapeutic interventions based on collagenase inhibition.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MMP13 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MMP13 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MMP13 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MMP13 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12584825
NCBI Official Full Name	MMP-13

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/mmp-13/58879>