

Human Matrix Metalloproteinase 28 ELISA Kit | MMP 28 elisa kit

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CATALOG #
AAA87615

REACTIVITY
Human

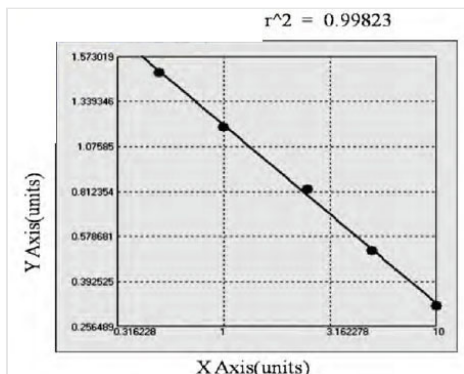
PRODUCT SYNONYMS

Matrix Metalloproteinase 28; Human Matrix Metalloproteinase 28 ELISA Kit; MMP 28 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MMP-28 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MMP-28. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP 28 elisa kit

Principle of the Assay: MMP-28 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MMP-28 antibody and an MMP-28-HRP conjugate. The assay sample and buffer are incubated together with MMP-28-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MMP-28 concentration since MMP-28 from samples and MMP-28-HRP conjugate compete for the anti-MMP-28 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-28 from the sample, fewer sites are left to bind MMP-28-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-28 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13236530
NCBI GeneID	79148
NCBI Accession #	NP_077278.1
NCBI GenBank Nucleotide #	NM_024302.4
Molecular Weight	14,927 Da
NCBI Official Full Name	matrix metalloproteinase-28 isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 28
NCBI Official Symbol	MMP28
NCBI Official Synonym Symbols	MM28; MMP25; MMP-25; MMP-28; EPILYSIN
NCBI Protein Information	matrix metalloproteinase-28; matrix metalloproteinase MMP25
UniProt Protein Name	Matrix metalloproteinase-28
UniProt Gene Name	MMP28
UniProt Synonym Gene Names	MMP25; UNQ1893/PRO4339; MMP-28
UniProt Entry Name	MMP28_HUMAN

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.