

Rat Matriptase-2 (MT2) ELISA Kit | MT2 elisa kit

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CATALOG #
AAA247303

REACTIVITY
Rat

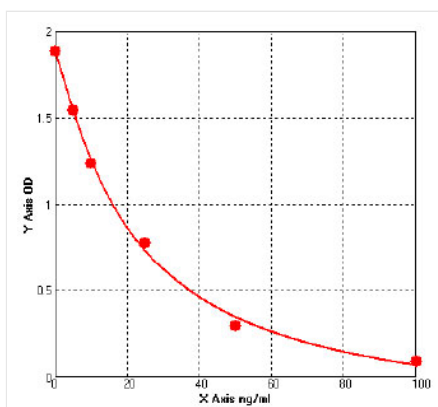
PRODUCT SYNONYMS

Matriptase-2 (MT2); Rat matriptase-2 ELISA Kit (MT2); MT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MT2. No significant cross-reactivity or interference between MT2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MT2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	802
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT2 elisa kit	Intended Uses: This MT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MT2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MT2 antibody and an MT2-HRP conjugate. The assay sample and buffer are incubated together with MT2-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 MT2 concentration since MT2 from samples and MT2-HRP conjugate compete for the anti-MT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MT2 from the sample, fewer sites are left to bind MT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MT2 elisa kit	Signal Transduction; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	23477115
NCBI GeneID	164656
UniProt Accession #	Q8IU80; Q5TI06; Q6ICC2; Q6UXD8; Q8IUE2; Q8IXV8; B0QYB4; B0QYB7; B0QYB8
Molecular Weight	88,874 Da
NCBI Official Full Name	matriptase-2
NCBI Official Synonym Full Names	transmembrane serine protease 6
NCBI Official Symbol	TMPRSS6
NCBI Official Synonym Symbols	IRIDA
NCBI Protein Information	transmembrane protease serine 6
UniProt Protein Name	Transmembrane protease serine 6
UniProt Gene Name	TMPRSS6

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/matriptase-2-mt2/247303>