

Human Catechol O-methyltransferase ELISA Kit | COMT elisa kit

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CATALOG #
AAA100816

REACTIVITY
Human

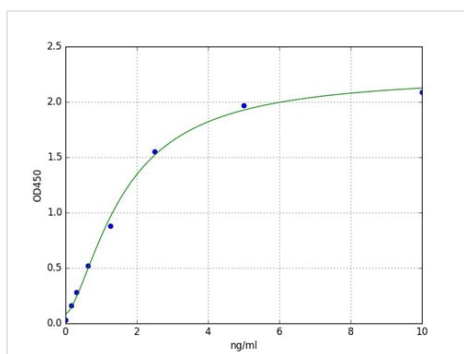
PRODUCT SYNONYMS

Catechol O-methyltransferase; Human Catechol O-methyltransferase ELISA Kit; COMT/catechol O-methyltransferase/catechol-O-methyltransferase/EC 2.1.1.6; COMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	27
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human COMT ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.082	0.140	0.171	0.257	0.451	0.714	1.278	1.883

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMT elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human COMT antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human COMT 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. HRP-Streptavidin 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 Human COMT amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human COMT can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327179689
NCBI GeneID	1312
Molecular Weight	24,449 Da
NCBI Official Full Name	catechol-O-methyltransferase, partial
NCBI Official Synonym Full Names	catechol-O-methyltransferase
NCBI Official Symbol	COMT
NCBI Official Synonym Symbols	HEL-S-98n
NCBI Protein Information	catechol O-methyltransferase
UniProt Protein Name	Catechol O-methyltransferase
UniProt Gene Name	COMT
UniProt Entry Name	COMT_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.

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Online datasheet: <https://stage.aaabiotech.com/comt-human-elisa-kits/catechol-o-methyltransferase/100816>