

Rat Catechol O-methyltransferase ELISA Kit | Comt elisa kit

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CATALOG #
AAA190634

REACTIVITY
Rat

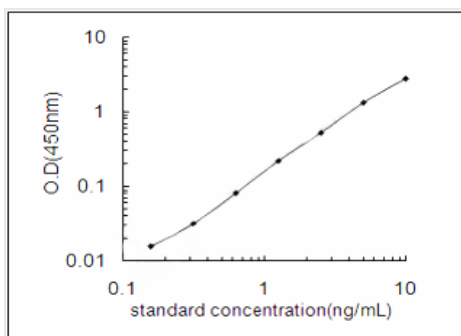
PRODUCT SYNONYMS

Catechol O-methyltransferase; Rat Catechol O-methyltransferase ELISA Kit; Comt; 2.1.1.6; Comt elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural ratCatechol O-methyltransferase. No significant cross-reactivity or interference was observed.
Sequence Length	264
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.078 ng/mL
Intra-Assay CV	<=4.4%
Inter-Assay CV	<=7.2%
Recovery	103%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Comt elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Catechol O-methyltransferase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Catechol O-methyltransferase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Catechol O-methyltransferase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Catechol O-methyltransferase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Catechol O-methyltransferase in the samples is then determined by comparing the O.D. of the samples to the standard curve.
References	Amitraz changes NE, DA and 5-HT biosynthesis and metabolism mediated by alterations in estradiol content in CNS of male rats. Javier del Pino, Paula Moyano, Matilde Ruiz, María José Anadón, María Jesús Díaz, José Manuel García, Elena Labajo-González, María Teresa Frejo (2017)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978681
NCBI GeneID	24267
NCBI Accession #	NP_036663.1
NCBI GenBank Nucleotide #	NM_012531.2
UniProt Accession #	P22734
Molecular Weight	24,747 Da
NCBI Official Full Name	catechol O-methyltransferase
UniProt Protein Name	Catechol O-methyltransferase
UniProt Gene Name	Comt
UniProt Entry Name	COMT_RAT

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-rat-elisa-kits/catechol-o-methyltransferase/190634>