

Bovine Catechol-O-Metthyhransferase ELISA Kit | COMT elisa kit

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CATALOG #
AAA91475

REACTIVITY
Bovine

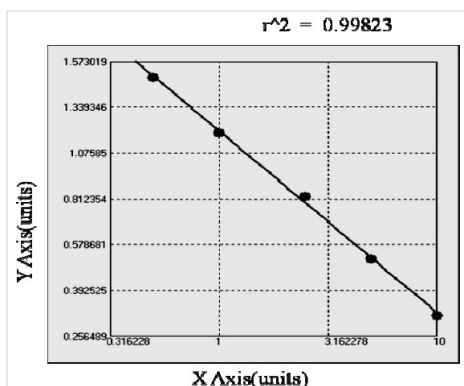
PRODUCT SYNONYMS

Catechol-O-Metthyhransferase; Bovine Catechol-O-Metthyhransferase ELISA Kit; COMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This COMT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine COMT. 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 COMT elisa kit

Principle of the Assay: COMT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COMT antibody and an COMT-HRP conjugate. The assay sample and buffer are incubated together with COMT-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 COMT concentration since COMT from samples and COMT-HRP conjugate compete for the anti-COMT antibody binding site. Since the number of sites is limited, as more sites are occupied by COMT from the sample, fewer sites are left to bind COMT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COMT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47678375
NCBI GeneID	1312
UniProt Accession #	P21964; Q6IB07; Q6ICE6; A8MPV9
Molecular Weight	24,449 Da
NCBI Official Full Name	COMT
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; epididymis secretory sperm binding protein Li 98n
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-bovine-ovine-elisa-kits/catechol-o-methyhransferase/91475>