

Rat Cocaine esterase (CES2) ELISA Kit | CES2 elisa kit

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CATALOG #
AAA245146

REACTIVITY
Rat

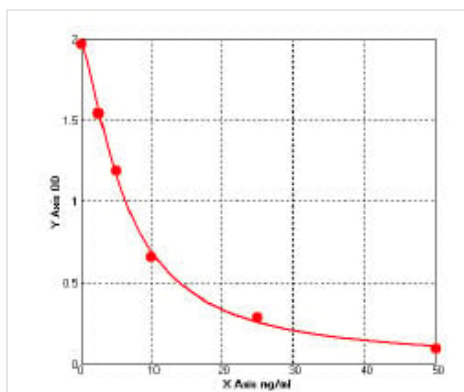
PRODUCT SYNONYMS

Cocaine esterase (CES2); Rat Cocaine esterase (CES2) ELISA Kit; CES2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CES2. No significant cross-reactivity or interference between CES2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CES2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CES2 elisa kit	Principle of the Assay: CES2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CES2 antibody and an CES2-HRP conjugate. The assay sample and buffer are incubated together with CES2-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 CES2 concentration since CES2 from samples and CES2-HRP conjugate compete for the anti-CES2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CES2 from the sample, fewer sites are left to bind CES2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CES2 concentration in each sample is interpolated from this standard curve. Intended Uses: This CES2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CES2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CES2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	37622887
NCBI GeneID	8824
NCBI Accession #	NP_932327.1
NCBI GenBank Nucleotide #	NM_198061.2
Molecular Weight	59,959 Da
NCBI Official Full Name	cocaine esterase isoform 2
NCBI Official Synonym Full Names	carboxylesterase 2
NCBI Official Symbol	CES2
NCBI Official Synonym Symbols	iCE; CE-2; PCE-2; CES2A1
NCBI Protein Information	cocaine esterase; hCE-2; carboxylesterase 2 (intestine, liver); methylumbelliferyl-acetate deacetylase 2; intestinal carboxylesterase; liver carboxylesterase-2
UniProt Protein Name	Cocaine esterase
UniProt Gene Name	CES2
UniProt Synonym Gene Names	ICE; CE-2; hCE-2
UniProt Entry Name	EST2_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.