

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

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CATALOG #
AAA246668

REACTIVITY
Human

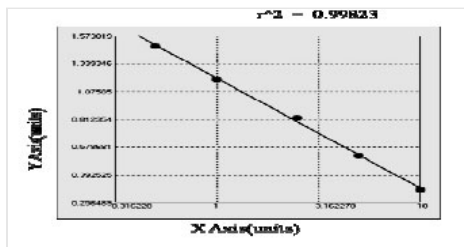
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/ml
Sensitivity	0.1ng/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

Intended Uses: This CES2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CES2. This ELISA kit for research use only!

Principle of the Assay: CES2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cocaine-esterase-ces2/246668>