

Human Cocaine esterase ELISA Kit | CES2 elisa kit

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CATALOG #
AAA100483

REACTIVITY
Human

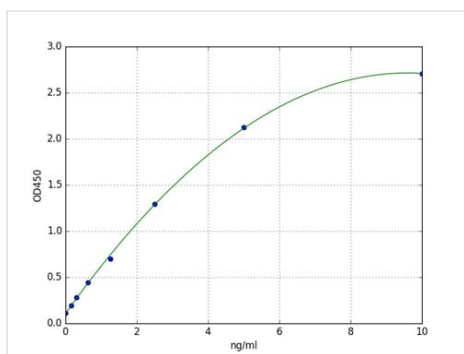
PRODUCT SYNONYMS

Cocaine esterase; Human Cocaine esterase ELISA Kit; CES2/Cocaine esterase/Carboxylesterase 2/CE-2/hCE-2/Methylumbelliferyl-acetate deacetylase 2/ICE/CES2A1/PCE-2; CES2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	607
Assay Type	Sandwich ELISA, Double Antibody
Samples	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 CES2 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	0.089	0.148	0.205	0.305	0.532	0.922	1.550	2.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CES2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CES2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CES2 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 CES2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CES2 can be calculated.

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
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/ces2-human-elisa-kits/cocaine-esterase/100483>