

Rat Carboxylesterase 5A ELISA Kit | Ces5a elisa kit

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CATALOG #
AAA56422

REACTIVITY
Rat

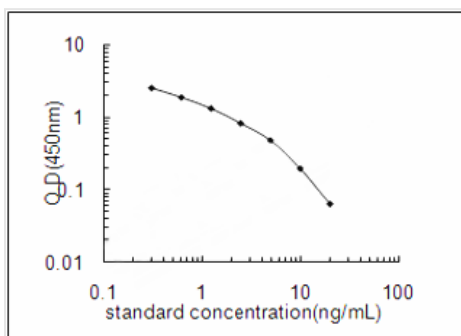
PRODUCT SYNONYMS

Carboxylesterase 5A; Rat Carboxylesterase 5A ELISA Kit; Ces5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural Rat Carboxylesterase 5A. No significant cross-reactivity or interference was observed.
Sequence Length	575
Assay Type	Competitive
Detection Range	0.312-20 ng/mL.
Sensitivity	0.161 ng/mL
Intra-Assay CV	<=4.7%
Inter-Assay CV	<=8.1%
Recovery	105%
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 Ces5a elisa kit	Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Carboxylesterase 5A, During the reaction, Carboxylesterase 5A in the sample or standard competes with a fixed amount of biotin-labeled Carboxylesterase 5A for sites on a pre-coated Monoclonal antibody specific to Carboxylesterase 5A. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 Carboxylesterase 5A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58865680
NCBI GeneID	307660
NCBI Accession #	NP_001012056.1
NCBI GenBank Nucleotide #	NM_001012056.1
UniProt Accession #	Q5GRG2
Molecular Weight	64,417 Da
NCBI Official Full Name	carboxylesterase 5A
NCBI Official Synonym Full Names	carboxylesterase 5A
NCBI Official Symbol	Ces5a
NCBI Official Synonym Symbols	Ces5; Ces7
NCBI Protein Information	carboxylesterase 5A
UniProt Protein Name	Carboxylesterase 5A
UniProt Gene Name	Ces5a
UniProt Synonym Gene Names	Ces7; Cauxin
UniProt Entry Name	EST5A_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/ces5a-rat-elisa-kits/carboxylesterase-5a/56422>