Datasheet for ABIN6236300

CSAD ELISA Kit

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Overview

Quantity:	96 tests
Target:	CSAD
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

Product Details

Purpose:	Rat Cysteine Sulfinic Acid Decarboxylase (CSAD) ELISA Kit
Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	< 46.9 pg/mL
Components:	The kit components listed are for reference only. The product manual may differ slightly. The product should be used as stated on the product manual included and delivered together with the product. • Pre-coated 96-Well Microplate • Standard • Standard Diluent Buffer • Wash Buffer

Product Details

	• Detection Reagent A • Detection Reagent B • Diluent A • Diluent B • TMB Substrate • Stop Solution • Plate Sealer
Material not included:	• 37 °C incubator • Multi and single channel pipettes and sterile pipette tips • Squirt bottle or automated microplate washer • 1.5 mL tubes • Distilled water • Absorbent filter papers • 100 mL and 1 liter graduated cylinders • Microplate reader (wavelength: 450 nm) • ELISA Shaker

Target Details

Target:	CSAD
Alternative Name:	Cysteine Sulfinic Acid Decarboxylase
Background:	Ensembl: ENSRNOG00000011573 UniProt Entry Name: CSAD_RAT
Gene ID:	60356
UniProt:	Q64611

Application Details

Application Notes:	Optimal dilutions/concentrations should be determined by the end user.
Comment:	The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5 % within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.
Plate:	Pre-coated
Reagent Preparation:	This procedure is provided for reference only. The product manual may differ slightly. The product should be used as stated on the product manual included and delivered together with

Application Details

	the product. • 1) Standard: Prepare the standard with the recommended volume of Standard Diluent Buffer, to make the standard solution. Then use the Standard Diluent buffer to carry out serial dilutions of the standard solution, as instructed in the Protocol. • 2) Wash Buffer: Dilute the concentrated Wash Buffer with distilled water, as instructed in the Protocol. • 3) Detection Reagent Preparation: Calculate the total volume of working solution required. Dilute Detection Reagent A and Detection Reagent B with Diluent A and Diluent B, respectively, at 1:100.
Sample Collection:	• Serum: Samples should be collected into a serum separator tube. Coagulate the serum by leaving the tube undisturbed in a vertical position overnight at 4 °C or at room temperature for up to 60 minutes. Centrifuge at approximately 1000 x g for 20 min. Analyze the serum immediately or aliquot and store at -20 °C or -80 °C. • Plasma: Collect plasma using heparin or EDTA as an anticoagulant. Centrifuge for 15 minutes at 1000 x g within 30 minutes of collection. Assay immediately or aliquot and store at -20 °C or -80 °C. Avoid hemolysis and high cholesterol samples. • Tissue homogenates: The preparation of tissue homogenates will vary depending upon tissue type - this is just an example. Rinse tissues with ice-cold PBS to remove the excess of blood. Weigh before homogenization. Finely mince tissues and homogenize with a tissue homogenizer on ice in PBS and sonicate the cell suspension. Centrifuge the homogenates at 5000 x g for 5 min and collect the supernatant. Assay immediately or aliquot and store at -20 °C.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.
Expiry Date:	6 months