Datasheet for ABIN4993268

OXM ELISA Kit

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Overview

Quantity:	96 tests
Target:	OXM
Reactivity:	Rat
Method Type:	Competition ELISA
Detection Range:	1.563-100 ng/mL
Minimum Detection Limit:	1.563 ng/mL
Application:	ELISA

Product Details

Purpose:	The kit is a competitive enzyme immunoassay for in vitro quantitative measurement of OXM in Rat serum, plasma and other biological fluids
Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This kit recognizes natural and recombinant Rat OXM. No signif icant cross-reactivity or interference between Rat OXM and analogues was observed. Note: Limited by existing techniques, cross reaction may still exist, as it is impossible for us to complete the cross-reactivity detection between Rat OXM and all the analogues.
Sensitivity:	0.938 ng/mL
Components:	Micro ELISA Plate(Dismountable) Reference Standard

Product Details

	Concentrated Biotinylated Detection Ab (100×) Concentrated HRP Conjugate (100×) Reference Standard & Sample Diluent Biotinylated Detection Ab Diluent HRP Conjugate Diluent Concentrated Wash Buffer (25×) Substrate Reagent Stop Solution Plate Sealer Product Description Certificate of Analysis
Material not included:	Microplate reader with 450nm wavelength filter High-precision transferpettor, EP tubes and disposable pipette tips 37*°C Incubator* Deionized or distilled water Absorbent paper Loading slot for Wash Buffer

Target Details

Target:	OXM
Abstract:	OXM Products

Application Details

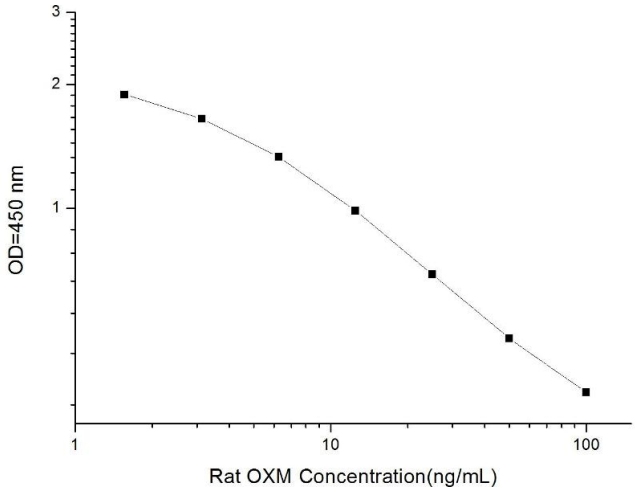
Comment:	Information on standard material: The formulation of the standard is 0.01 M PBS. The standard contains additives (1 % BSA). Information on reagents: Reagents include 1 M SO_2. Azide, thimerosal, 2-mercaptoethanol (2-ME) or any other poisonous materials are not used. Information on antibodies: The provided antibodies and their host vary in different kits. All antibodies are affinity purified The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest

Application Details

	protein concentration that could be differentiated from zero. It was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
Sample Volume:	50 µL
Plate:	Pre-coated
Protocol:	This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with OXM. During the reaction, OXM in the sample or standard competes with a fixed amount of OXM on the solid phase supporter for sites on the Biotinylated Detection Ab specific to OXM. Excess conjugate and unbound sample or standard are washed from the plate, and 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 OXM in the samples is then determined by comparing the OD of the samples to the standard curve. 6th Edition, revised in June, 2015 www.elabscience.com 4
Restrictions:	For Research Use only

Handling

Handling Advice:	All the reagents in the kit should be stored according to the labels on vials. Unused wells should be returned to the foil pouch with the desiccant pack and resealed along entire edge of zip-seal. Substrate Reagent shouldn't be kept at -20 °C (Check!). Exposure of reagents to strong light should be avoided in the process of incubation and storage. All the taps of reagents should be tightened to prevent evaporation and microbial contamination. If not to store reagents according to above suggestions, erroneous results may occur.
Storage:	4 °C/-20 °C
Storage Comment:	The unopened kit can be stored at 4*°C for 1 month. If the kit is not used within 1 month, store the items separately according to the conditions since the kit is received.*



ELISA

Image 1. Typical standard curve