Datasheet for ABIN4881330

Somatostatin ELISA Kit

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Overview

Quantity:	96 tests
Target:	Somatostatin (SST)
Reactivity:	Chemical
Method Type:	Competition ELISA
Detection Range:	0.1-1.000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

Product Details

Purpose:	Human/Mouse/Rat Somatostatin (SST) EIA Kit optimized for serum and cell culture medium. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This EIA kit is designed to detect human, mouse, and rat pro-Somatostatin, not active Somatostatin.
Sensitivity:	< 1 ng/mL
Characteristics:	• Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range • The best products for confirmation of antibody array data

Product Details

Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Standard Peptide • Assay Diluent(s) • Biotinylated Peptide • HRP-Streptavidin • TMB One-Step Substrate • Stop Solution • Assay Diagram • Positive Control Sample • Capture Antibody • User Manual
Material not included:	• Distilled or deionized water • Precision pipettes to deliver 2 µL to 1 mL volumes • Adjustable 1-25 mL pipettes for reagent preparation • 100 mL and 1 liter graduated cylinders • Tubes to prepare standard and sample dilutions • Orbital shaker • Aluminum foil • Saran Wrap • Absorbent paper • Microplate reader capable of measuring absorbance at 450nm • SigmaPlot software (or other software that can perform four-parameter logistic regression models)

Target Details

Target:	Somatostatin (SST)
Alternative Name:	Somatostatin (SST Products)
Target Type:	Chemical
Gene ID:	6750
UniProt:	P61278

Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed.

Application Details

2. Add 100 µL detection antibody to each well.
3. Incubate 1.5 h at RT or O/N at 4 °C.
4. Add 100 µL standard or sample to each well.
5. Incubate 2.5 h at RT.
6. Add 100 µL prepared streptavidin solution.
7. Incubate 45 min at RT.
8. Add 100 µL TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL Stop Solution to each well.
11. Read plate at 450 nm immediately.

Restrictions:	For Research Use only

Handling

Storage:	-20 °C
Storage Comment:	Standard, Biotinylated Somatostatin peptide, and Positive Control should be stored at -20°C after arrival. Avoid multiple freeze-thaws. The remaining kit components may be stored at 4°C. Opened Microplate Wells and antibody (Item N) may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack and reseal along entire edge.
Expiry Date:	6 months

