Datasheet for ABIN5067907

Phenylalanine Hydroxylase ELISA Kit

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Overview

Quantity:	96 tests
Target:	Phenylalanine Hydroxylase
Reactivity:	Chemical
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	PAH (Phenylalanine Hydroxylase) ELISA Kit is a quantitative sandwich assay for the detection of PAH in human serum, plasma, tissue homogenates and other biological fluids
Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	46.875 pg/mL
Characteristics:	PAH (Phenylalanine Hydroxylase) ELISA Kit (Human)
Components:	• *357883A: Microtiter Strips, 1x96 wells (8x12 wells). • *357883B: Standard, 2x1 vial • 357883C: Sample/Standard Dilution Buffer, 1x20ml • 357883D: Antibody (Biotin) (Concentrated), 1x120ul • 357883E: Antibody Dilution Buffer, 1x10ml • 357883F: Streptavidin (HRP) (SABC), 1x120ul • 357883G: SABC Dilution Buffer, 1x10ml • 357883H: TMB Substrate, 1x10ml

Product Details

- 357883J: Stop Solution, 1x10ml
- 357883K: Wash Buffer, 25X, 1x30ml

Target Details

Target:	Phenylalanine Hydroxylase
Alternative Name:	PAH (Phenylalanine Hydroxylase) (Phenylalanine Hydroxylase Products)
Target Type:	Chemical

Application Details

Plate:	Pre-coated
Protocol:	Principle: • This ELISA kit employs the sandwich enzyme-linked immunoassay technique, utilizing a microtiter plate pre-coated with an antibody specific to PAH. Standards and samples are added to the appropriate wells, then incubated. Aspirate. Do not wash the plate! The Antibody (Biotin) is added to all the wells. The plate is incubated and then washed. Streptavidin (HRP) is added to each microplate well and incubated then washed. Then the TMB substrate solution is added and incubated. After the TMB substrate solution is added, only those wells that contain PAH, the antibody (Biotin) and Streptavidin (HRP) will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulfuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PAH in the sample is then determined by comparing the O.D. of the sample to the standard curve.
Assay Precision:	Precision: • Intra-Assay CV: <8% • Inter-Assay CV: <10%
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	4°C/-20°C