

Datasheet for ABIN5525892

Catalase ELISA Kit



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1 Image 1 Publication

Overview

Quantity:	96 tests
Target:	Catalase (CAT)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.625 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.625 pg/mL
Application:	ELISA

Product Details

Purpose:	For quantitative detection of CAT in serum, plasma, tissue homogenates.
Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of CAT. No significant cross-reactivity or interference between CAT and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the cross-reactivity detection between CAT and all the analogues, therefore, cross reaction may still exist.
Sensitivity:	9.375 pg/mL
Components:	<ul style="list-style-type: none"> - ELISA Microplate - Lyophilized Standard - Sample / Standard Dilution Buffer

Product Details

- Biotin-labeled Antibody (Concentrated)
- Antibody Dilution Buffer
- HRP-Streptavidin Conjugate(SABC)
- SABC Dilution Buffer
- TMB Substrate
- Stop Solution
- Wash Buffer (25X)
- Plate Sealer
- Product Description

Target Details

Target:	Catalase (CAT)
Alternative Name:	Cat(Catalase) (CAT Products)
Background:	CAT/Cas1/Cs-1/catalase
UniProt:	P04040
Pathways:	Cellular Glucan Metabolic Process , Cell RedoxHomeostasis , Photoperiodism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Sandwich ELISA, Double Antibody
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	<ol style="list-style-type: none">1. For unopened kit: All the reagents should be kept according to the labels on vials. The Reference Standard and the 96-well stripe plate should be stored at -20 °C upon receipt while the other reagents should be stored at 4 °C.2. For used kit: When the kit is used, the remaining reagents need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and zip-seal the foil pouch.

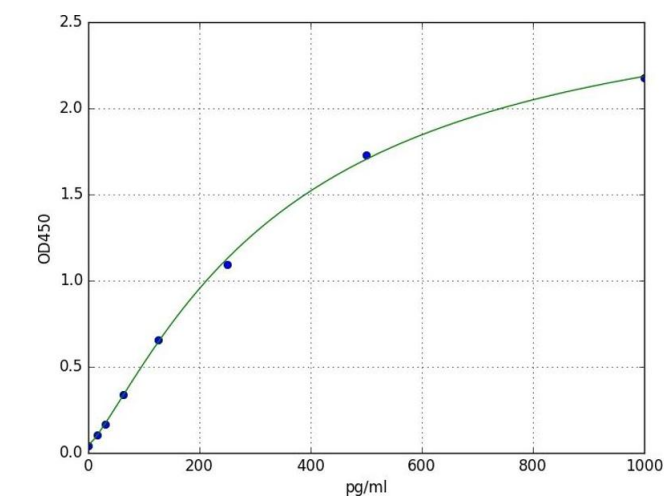
Handling

Expiry Date: 6 months

Publications

Product cited in: Albenzio, Santillo, Ciliberti, Figliola, Caroprese, Polito, Messina: "Milk nutrition and childhood epilepsy: An ex vivo study on cytokines and oxidative stress in response to milk protein fractions." in: **Journal of dairy science**, Vol. 101, Issue 6, pp. 4842-4852, (2018) ([PubMed](#)).

Images



ELISA

Image 1. A typical standard curve