Product Datasheet

Chicken Glutathione peroxidase (GSH-PX) ELISA Kit

Catalog No: #EK6277

Package Size: #EK6277-1 48T #EK6277-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Chicken Glutathione peroxidase (GSH-PX) ELISA Kit
Applications	ELISA
Species Reactivity	Chicken (Gallus)
Other Names	GPx-P; GSHPx-3; GSHPx-P; extracellular glutathione peroxidase|glutathione peroxidase 3
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:1.56-100 IU/mL

Sensitivity:0.8 IU/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich

Test principle:This assay employs a two-site sandwich ELISA to quantitate GSH-PX in Chicken serum, plasma. An antibody specific for GSH-PX has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GSH-PX present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GSH-PX is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GSH-PX bound in the initial step. The color development is stopped and the intensity of the color is measured.

Published Papers

el at., Recombinant Photolyase-Thymine Alleviated UVB-Induced Photodamage in Mice by Repairing CPD Photoproducts and Ameliorating Oxidative Stress. In Antioxidants (Basel) on 2022 Nov 22 by Zhaoyang Wang, Ziyi Li, et al..PMID:36552521, , (2022)

PMID:36552521

Note: This product is for in vitro research use only and is not intended for use in humans or animals.