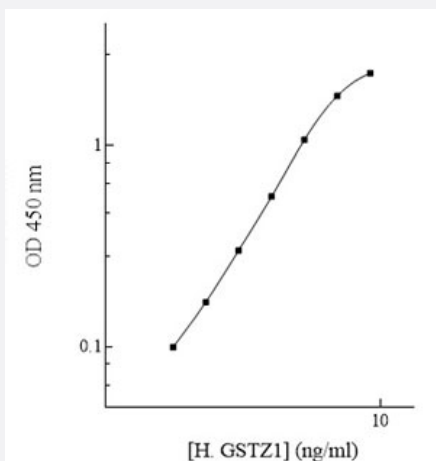


GSTZ1 (Human) ELISA Kit

Catalog # KA6049

Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description

GSTZ1 (Human) ELISA Kit is a competitive enzyme-linked immunosorbent assay for quantitative measurement of human GSTZ1 in cell lysate.

Suitable Sample

cell lysate

Sample Volume

50 μ L

Label

Peroxidase-conjugated

Detection Method

Colorimetric

Assay Type

Quantitative

Calibration Range

0.125 to 8 ng/mL

Reactivity

Human

Regulatory Status

For research use only (RUO)

Quality Control Testing

Standard curve

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — GSTZ1

Entrez GeneID [2954](#)**Protein Accession#** [O43708](#)**Gene Name** GSTZ1**Gene Alias** GSTZ1-1, MAAI, MAI, MGC2029**Gene Description** glutathione transferase zeta 1**Omim ID** [603758](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. Several transcript variants of this gene encode multiple protein isoforms. [provided by RefSeq]

Other Designations S-(hydroxyalkyl)glutathione lyase|glutathione S-alkyltransferase|glutathione S-aralkyltransferase|glutathione S-aryltransferase|glutathione s-transferase Zeta 1|maleylacetoacetate isomerase|maleylacetone isomerase

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Styrene degradation](#)

- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cognition](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Keratosi](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Parkinson disease](#)
- [Pulmonary Disease](#)
- [Sensation Disorders](#)
- [Urinary Bladder Neoplasms](#)
- [Vestibular Diseases](#)
- [Werner syndrome](#)