

Human glutathione S-transferase omega 1 ELISA Kit | GSTO1 elisa kit

Human Glutathione S-transferase omega-1, GSTO1 ELISA Kit

CATALOG #
AAA113110

REACTIVITY
Human

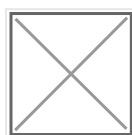
PRODUCT SYNONYMS

glutathione S-transferase omega 1; Human Glutathione S-transferase omega-1; GSTO1 ELISA Kit; Human Glutathione S-transferase omega-1 (GSTO1) ELISA kit; RP11-99N20.1; DKFZp686H13163; GSTTlp28; P28; glutathione S-transferase omega 1-1; glutathione transferase omega 1; glutathione-S-transferase like; glutathione-S-transferase omega 1; GSTO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GSTO1. No significant cross-reactivity or interference between human GSTO1 and analogues was observed.
Sequence Length	208
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	31.2 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of human GSTO1 is typically less than 7.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTO1 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GSTO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GSTO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GSTO1 is added to the wells. After washing, avidin 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 GSTO1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300360532
NCBI GeneID	9446
NCBI Accession #	NP_001177931.1
NCBI GenBank Nucleotide #	NM_001191002.1
UniProt Accession #	P78417; Q5TA03; Q7Z3T2; D3DRA3; F5H7H0
Molecular Weight	27,566 Da
NCBI Official Full Name	glutathione S-transferase omega-1 isoform 2
NCBI Official Synonym Full Names	glutathione S-transferase omega 1
NCBI Official Symbol	GSTO1
NCBI Official Synonym Symbols	P28; SPG-R; GSTO 1-1; GSTTLP28; HEL-S-21
NCBI Protein Information	glutathione S-transferase omega-1; GSTO-1; MMA(V) reductase; glutathione-S-transferase like; monomethylarsonic acid reductase; S-(Phenacyl)glutathione reductase; epididymis secretory protein Li 21; glutathione S-transferase omega 1-1; glutathione-dependent dehydroascorbate reductase
UniProt Protein Name	Glutathione S-transferase omega-1
UniProt Gene Name	GSTO1
UniProt Synonym Gene Names	GSTTLP28; GSTO-1; GSTO 1-1; MMA(V) reductase; SPG-R
UniProt Entry Name	GSTO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gsto1-human-elisa-kits/glutathione-s-transferase-omega-1/113110>