

Human GSTM1 ELISA Kit | GSTM1 elisa kit

Human GSTM1 ELISA Kit PicoKine

CATALOG # AAA127965	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

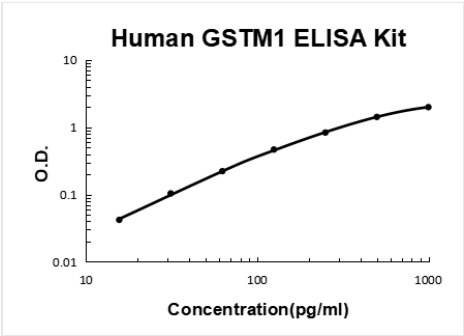
GSTM1; Human GSTM1 ELISA Kit PicoKine; GSTM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	15.6pg/ml-1,000pg/ml
Sensitivity	<10pg/ml
Capture antibody and Detection antibody	a monoclonal antibody from mouse a biotinylated polyclonal antibody from goat
Immunogen	Expression system for standard: E coli; Immunogen sequence: M1-K218
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for GSTM1 elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration(pg/ml)015.631.262.51252505001,000O.D.0.0240.0660.1280.2470.4910.8601.4522.019
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean(pg/ml)863977712102421788Standard deviation4.3917.8742.013.9818.9540.19CV(%)5.1%4.5%5.9%3.9%4.5%5.1%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 186889187883.173.6%Sample 239734839236837610.912.9%Sample 371268969371670327.43.9%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human GSTM1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GSTM1 elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for GSTM1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	121735
NCBI GeneID	2944
UniProt Accession #	P09488; Q5GHG0; Q6FH88; Q8TC98; Q9UC96
Molecular Weight	218
NCBI Official Full Name	Glutathione S-transferase Mu 1
NCBI Official Synonym Full Names	glutathione S-transferase mu 1
NCBI Official Symbol	GSTM1
NCBI Official Synonym Symbols	MU; H-B; GST1; GTH4; GTM1; MU-1; GSTM1-1; GSTM1a-1a; GSTM1b-1b
NCBI Protein Information	glutathione S-transferase Mu 1; HB subunit 4; GST class-mu 1; GST HB subunit 4; glutathione S-transferase M1; glutathione S-aryltransferase; glutathione S-alkyltransferase; glutathione S-aralkyltransferase; S-(hydroxyalkyl)glutathione lyase
UniProt Protein Name	Glutathione S-transferase Mu 1
UniProt Gene Name	GSTM1
UniProt Synonym Gene Names	GST1
UniProt Entry Name	GSTM1_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.

