

Human Glutathione S-Transferase Mu 3 ELISA Kit | GSTM3 elisa kit

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CATALOG #
AAA247263

REACTIVITY
Human

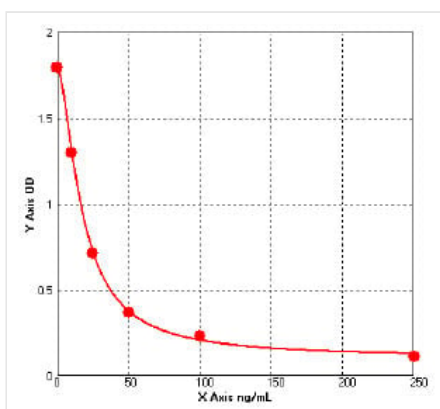
PRODUCT SYNONYMS

Glutathione S-Transferase Mu 3; Human Glutathione S-Transferase Mu 3 ELISA Kit; GSTM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GSTM3. No significant cross-reactivity or interference between GSTM3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GSTM3 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	225
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTM3 elisa kit	Principle of the Assay: GSTM3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GSTM3 antibody and an GSTM3-HRP conjugate. The assay sample and buffer are incubated together with GSTM3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GSTM3 concentration since GSTM3 from samples and GSTM3-HRP conjugate compete for the anti-GSTM3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GSTM3 from the sample, fewer sites are left to bind GSTM3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSTM3 concentration in each sample is interpolated from this standard curve. Intended Uses: This GSTM3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GSTM3. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23065552
NCBI GeneID	2947
NCBI Accession #	NP_000840.2
NCBI GenBank Nucleotide #	NM_000849.4
UniProt Accession #	P21266; O60550; Q96HA3
Molecular Weight	26,560 Da
NCBI Official Full Name	glutathione S-transferase Mu 3
NCBI Official Synonym Full Names	glutathione S-transferase mu 3
NCBI Official Symbol	GSTM3
NCBI Official Synonym Symbols	GST5; GSTB; GTM3; GSTM3-3
NCBI Protein Information	glutathione S-transferase Mu 3
UniProt Protein Name	Glutathione S-transferase Mu 3
UniProt Gene Name	GSTM3
UniProt Synonym Gene Names	GST5; hGSTM3-3

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/glutathione-s-transferase-mu-3/247263>