

Human Glyoxalase domain-containing protein 4 ELISA Kit | GLOD4 elisa kit

Human Glyoxalase domain-containing protein 4 (GLOD4) ELISA Kit

CATALOG #
AAA55728

REACTIVITY
Human

PRODUCT SYNONYMS

Glyoxalase domain-containing protein 4; Human Glyoxalase domain-containing protein 4 (GLOD4) ELISA Kit; GLOD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GLOD4. No significant cross-reactivity or interference between Human GLOD4 and analogues was observed.
Sequence Length	298
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.6 pg/mL - 1000 pg/mL
Sensitivity	7.8 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for GLOD4 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate GLOD4 in Human serum, plasma. An antibody specific for GLOD4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GLOD4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GLOD4 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 GLOD4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Glyoxalase domain-containing protein 4 (GLOD4) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330598
NCBI GeneID	51031
NCBI Accession #	NP_057164.3
NCBI GenBank Nucleotide #	NM_016080.3
UniProt Accession #	Q9HC38; Q96B89; Q9H3J8; Q9HC37; Q9NVN1; D3DTG9; D3DTH1

Molecular Weight	21,258 Da
NCBI Official Full Name	glyoxalase domain-containing protein 4
NCBI Official Synonym Full Names	glyoxalase domain containing 4
NCBI Official Symbol	GLOD4
NCBI Official Synonym Symbols	HC71; CGI-150; C17orf25
NCBI Protein Information	glyoxalase domain-containing protein 4
UniProt Protein Name	Glyoxalase domain-containing protein 4
UniProt Gene Name	GLOD4
UniProt Synonym Gene Names	C17orf25

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://www.aaabiotech.com/glod4-human-elisa-kits/glyoxalase-domain-containing-protein-4/55728>