

Canine Glutathione ELISA Kit | GT elisa kit

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CATALOG #
AAA95705

REACTIVITY
Canine

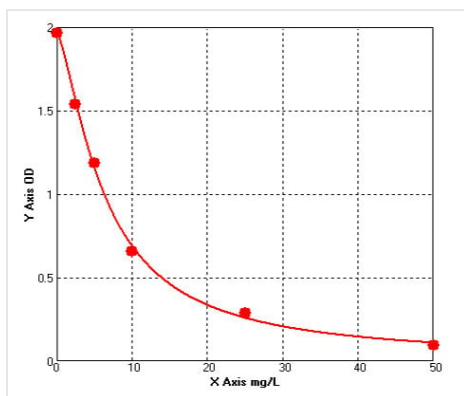
PRODUCT SYNONYMS

Glutathione; Canine Glutathione ELISA Kit; GT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of GSH. No significant cross-reactivity or interference between GSH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GSH and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 mg/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GT elisa kit	Principle of the Assay: GSH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GSH antibody and an GSH-HRP conjugate. The assay sample and buffer are incubated together with GSH-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 GSH concentration since GSH from samples and GSH-HRP conjugate compete for the anti-GSH antibody binding site. Since the number of sites is limited, as more sites are occupied by GSH from the sample, fewer sites are left to bind GSH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSH concentration in each sample is interpolated from this standard curve. Intended Uses: This GSH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GSH. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333992219
NCBI GeneID	10685612
NCBI Accession #	YP_004524833.1
NCBI GenBank Nucleotide #	NC_015576.1
Molecular Weight	17,237 Da
NCBI Official Full Name	glutathione
NCBI Official Symbol	JDM601_3579
NCBI Protein Information	glutathione
UniProt Protein Name	Glutathione peroxidase
UniProt Entry Name	F5Z1C3_MYCSD

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/gt-canine-elisa-kits/glutathione/95705>