

Goat Immunoglobulin G (IgG) ELISA Kit | IgG elisa kit

Goat Immunoglobulin G (IgG) ELISA Kit

CATALOG #
AAA138592

REACTIVITY
Goat

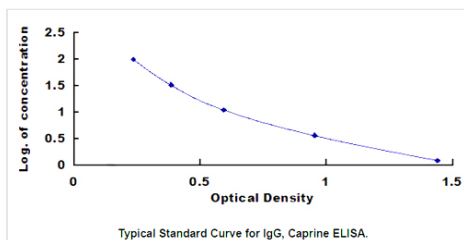
PRODUCT SYNONYMS

Immunoglobulin G (IgG); Goat Immunoglobulin G (IgG) ELISA Kit; IgG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of IgG. No significant cross-reactivity or interference between IgG and analogues was observed.
Sequence Length	464
Samples	Caprine serum, plasma and other biological fluids
Assay Type	Competitive
Detection Range	1.23-100µg/mL
Sensitivity	The minimum detectable dose of IgG is typically less than 0.49µg/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 by subtracting two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IgG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IgG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intended Uses	The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of IgG in caprine serum, plasma and other biological fluids.
Preparation and Storage	For unopened kit, all the reagents should be kept according to the label on each vial. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C while others should be at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgG elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to IgG has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled IgG and unlabeled IgG (Standards or samples) with the pre-coated antibody specific to IgG. After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of IgG in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of IgG in the sample.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	21538829
NCBI Official Full Name	immunoglobulin G

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://www.aaabiotech.com/goat-elisa-kits/immunoglobulin-g-igg/138592>