

Mouse Immunoglobulin G2a (IgG2a) ELISA Kit | IgG2a elisa kit

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CATALOG #
AAA139250

REACTIVITY
Mouse

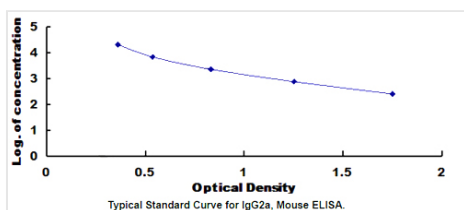
PRODUCT SYNONYMS

Immunoglobulin G2a (IgG2a); Mouse Immunoglobulin G2a (IgG2a) ELISA Kit; IgG2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IgG2a. No significant cross-reactivity or interference between IgG2a and analogues was observed.
Samples	Mouse serum, plasma and other biological fluids
Assay Type	Competitive
Detection Range	246.9-20,000ng/mL
Sensitivity	The minimum detectable dose of IgG2a is typically less than 96.5ng/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 IgG2a 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 IgG2a 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 IgG2a in mouse 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 IgG2a elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to IgG2a has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled IgG2a and unlabeled IgG2a (Standards or samples) with the pre-coated antibody specific to IgG2a. After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of IgG2a in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of IgG2a in the sample.
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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/mouse-elisa-kits/immunoglobulin-g2a-igg2a/139250>