

Mouse Anti-Ganglioside D1a Antibody ELISA Kit | GD1a elisa kit

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CATALOG #
AAA94231

REACTIVITY
Mouse

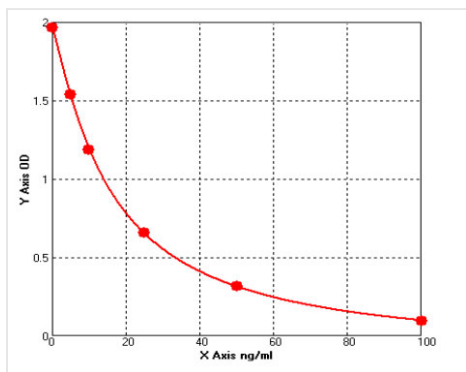
PRODUCT SYNONYMS

Anti-Ganglioside D1a Antibody; Mouse Anti-Ganglioside D1a Antibody ELISA Kit; GD1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-GD1a. No significant cross-reactivity or interference between Anti-GD1a and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Anti-GD1a 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	1.0 ng/mL
Intended Uses	This GD1a-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GD1a-Ab. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GD1a elisa kit	Principle of the Assay: Anti-GD1a ELISA kit applies the competitive enzyme immunoassay technique utilizing Ganglioside D1a antigen and an Anti-GD1a-HRP conjugate. The assay sample and buffer are incubated together with Anti-GD1a-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 Anti-GD1a concentration since Anti-GD1a from samples and Anti-GD1a-HRP conjugate compete for the Ganglioside D1a antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-GD1a from the sample, fewer sites are left to bind Anti-GD1a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-GD1a concentration in each sample is interpolated from this standard curve. Intended Uses: This Anti-GD1a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Anti-GD1a. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GD1a elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	40388265
Molecular Weight	46,635 Da
NCBI Official Full Name	GD1A, partial
UniProt Protein Name	Histidinol-phosphate aminotransferase 2, chloroplastic
UniProt Gene Name	HISN6B
UniProt Synonym Gene Names	GD1-A; HPA2; At1g71920; F17M19.7
UniProt Entry Name	HIS6B_ARATH

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/gd1a-mouse-elisa-kits/anti-ganglioside-d1a-antibody/94231>