

Human Ganglioside M2 ELISA Kit | GM2 elisa kit

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CATALOG #
AAA247894

REACTIVITY
Human

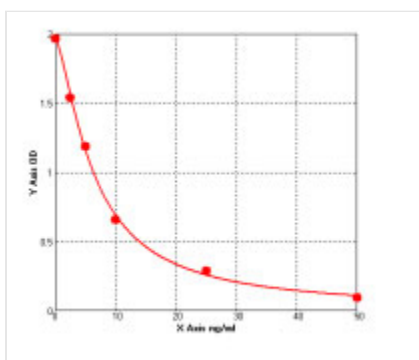
PRODUCT SYNONYMS

Ganglioside M2; Human Ganglioside M2 ELISA Kit; GM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GM2. No significant cross-reactivity or interference between GM2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GM2 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 ng/mL
Cross Reaction	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Reproducibility	Intra-Assay: CV<10% Inter-Assay: CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GM2 elisa kit	Principle of the Assay: GM2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GM2 antibody and an GM2-HRP conjugate. The assay sample and buffer are incubated together with GM2-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 GM2 concentration since GM2 from samples and GM2-HRP conjugate compete for the anti-GM2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GM2 from the sample, fewer sites are left to bind GM2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GM2 concentration in each sample is interpolated from this standard curve. Intended Uses: This GM2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GM2. This ELISA kit for research use only, not for therapeutic or test applications!
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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/gm2-human-elisa-kits/ganglioside-m2/247894>