Bovine Anti-Ganglioside M1 Antibody ELISA Kit | GM1 elisa kit

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CATALOG #	REACTIVITY
AAA96400	**Bovine**

PRODUCT SYNONYMS

Anti-Ganglioside M1 Antibody; Bovine Anti-Ganglioside M1 Antibody ELISA Kit; GM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This Anti-GM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine Anti-GM1. 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 GM1 elisa kit	**Principle of the Assay:** Anti-GM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing Ganglioside M1 antigen and an Anti-GM1-HRP conjugate. The assay sample and buffer are incubated together with Anti-GM1-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-GM1 concentration since Anti-GM1 from samples and Anti-GM1-HRP conjugate compete for the Ganglioside M1 antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-GM1 from the sample, fewer sites are left to bind Anti-GM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-GM1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GM1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345820
Molecular Weight	21,410 Da

NCBI Official Full Name	Gamma-crystallin M1
UniProt Protein Name	Gamma-crystallin M1
UniProt Gene Name	**GM1**
UniProt Synonym Gene Names	Gamma-M1
UniProt Entry Name	CRGM1_CHIID

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/gm1-bovine-ovine-elisa-kits/anti-ganglioside-m1-antibody/96400