

Rat GM2 Ganglioside Activator protein ELISA Kit | GM2AP elisa kit

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CATALOG #
AAA81900

REACTIVITY
Rat

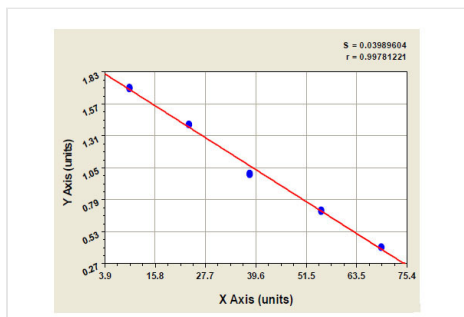
PRODUCT SYNONYMS

GM2 Ganglioside Activator protein; Rat GM2 Ganglioside Activator protein ELISA Kit; GM2AP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This GM2AP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GM2AP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GM2AP elisa kit

Principle of the assay: GM2AP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GM2AP antibody and an GM2AP-HRP conjugate. The assay sample and buffer are incubated together with GM2AP-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 GM2AP concentration since GM2AP from samples and GM2AP-HRP conjugate compete for the anti-GM2AP antibody binding site. Since the number of sites is limited, as more sites are occupied by GM2AP from the sample, fewer sites are left to bind GM2AP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GM2AP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GM2AP elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	263190474
NCBI GeneID	2760
NCBI Accession #	NP_001161079.1
NCBI GenBank Nucleotide #	NM_001167607.1
Molecular Weight	20,838 Da
NCBI Official Full Name	ganglioside GM2 activator isoform 2
NCBI Official Synonym Full Names	GM2 ganglioside activator
NCBI Official Symbol	GM2A
NCBI Official Synonym Symbols	SAP-3; GM2-AP
NCBI Protein Information	ganglioside GM2 activator; shingolipid activator protein 3; sphingolipid activator protein 3; cerebroside sulfate activator protein
UniProt Protein Name	Ganglioside GM2 activator
UniProt Gene Name	GM2A
UniProt Synonym Gene Names	SAP-3
UniProt Entry Name	SAP3_HUMAN

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/gm2ap-rat-elisa-kits/gm2-ganglioside-activator-protein/81900>