

## Guinea Pig GM2 Ganglioside Activator protein ELISA Kit | GM2AP elisa kit

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CATALOG #  
**AAA82269**

REACTIVITY  
**Guinea Pig**

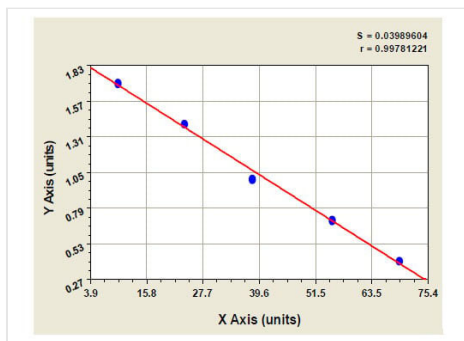
### PRODUCT SYNONYMS

GM2 Ganglioside Activator protein; Guinea pig GM2 Ganglioside Activator protein ELISA Kit; GM2AP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                                                                                                                                    |
| 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 Guinea pig 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.

## 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                | <b>GM2A</b>                                                                                                                         |
| 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-guinea-pig-pig-elisa-kits/gm2-ganglioside-activator-protein/82269>