Ganglioside Q1B (GQ1B) ELISA Kit for Donkey

PRODUCT OVERVIEW

Product Name	Ganglioside Q1B Antibody (GQ1B), ELISA Kit
Full Product Name	Donkey Ganglioside Q1B Antibody ELISA Kit
Product Gene Name	GQ1B elisa kit
Species Reactivity	Donkey
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	38,167 Da
3D Structure	ModBase 3D Structure for Q9JM95
Related Product Information for GQ1B elisa kit	MBS095256 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ganglioside Q1B Antibody (GQ1B) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GQ1B. The ELISA analytical biochemical technique of the MBS095256 kit is based on GQ1B antibody-GQ1B antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GQ1B antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GQ1B. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of GQ1B elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GQ1B. It may not necessarily be applicable to this product.

NCBI GI #	7959087
NCBI GeneID	50935
NCBI Accession #	BAA95940.1
UniProt Primary Accession #	Q9JM95
UniProt Secondary Accession #	Q05CN1; Q8CDC3; Q9R0G9; A2AK72; A2AK76; A2AK77; A2AK78; A2AK79
UniProt Related Accession #	Q9JM95
NCBI Official Full Name	GD1 alpha/GT1a alpha/GQ1b alpha synthase
NCBI Official Synonym Full Names	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6
NCBI Official Symbol	St6galnac6
NCBI Official Synonym Symbols	Siat7f; ST6GalNAcVI
UniProt Protein Name	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6
UniProt Synonym Protein Names	GalNAc alpha-2,6-sialyltransferase VI; ST6GalNAc VI; ST6GalNAcVI; Sialyltransferase 7F
UniProt Gene Name	St6galnac6
UniProt Synonym Gene Names	Siat7f; ST6GalNAcVI; SIAT7-F
UniProt Entry Name	SIA7F_MOUSE

NCBI Protein Information	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6; galNAc alpha-2,6-sialyltransferase VI; (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1, 3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6; sialytransferase 7 ((alpha-N-acetylneuraminyl 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialytransferase) F
UniProt Comments for GQ1B	SIAT7F: Alpha-2,6-sialyltransferase involved in the synthesis of alpha-series gangliosides. Has activity toward GD1a, GT1b and GM1b. Has no activity toward glycoproteins. Responsible for the biosynthesis of DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) in normal and malignant kidney. Participates in the synthesis of disialyl Lewis a (Le(a)). Belongs to the glycosyltransferase 29 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; Glycan Metabolism - glycosphingolipid biosynthesis - ganglio series; EC 2.4.99.-; Membrane protein, integral Cellular Component: Golgi apparatus; membrane; cytoplasm; integral to membrane Molecular Function: transferase activity; transferase activity, transferring glycosyl groups; sialyltransferase activity; lytic endotransglycosylase activity; alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase activity Biological Process: cell-cell recognition; glycoprotein metabolic process; oligosaccharide biosynthetic process; protein amino acid glycosylation; glycosphingolipid metabolic process; glycosylceramide metabolic process; ganglioside biosynthetic process
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