

## Ganglioside (Asialo-GM1, GM1, GM2, GD1a, GD1b, and GQ1b) Antibodies

Order Name: **GANLGI PN2**  
Test Number: 5565951  
Revision Date: 03/07/2024

TEST NAME	METHODOLOGY	LOINC CODE
Asialo-GM1 Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	44737-5
GM1 Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	63244-8
GM2 Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	63249-7
GD1a Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	48656-3
GD1b Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	26870-6
GQ1b Antibodies, IgG/IgM	Semi-Quantitative Enzyme-Linked Immunosorbent Assay	31674-5

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1 mL (0.6 mL)	Serum	Clot Activator SST	Refrigerated
Instructions	<p><b>Separate serum from cells ASAP.</b></p> <p><b>Specimen Type:</b> Gel-barrier tube</p> <p><b>Specimen Storage:</b> Refrigerated</p> <p><b>Special Instructions:</b> Testing referred to ARUP TC 51033</p> <p><b>Specimen Stability:</b> Ambient: Not Available, Refrigerated : 2 weeks, Frozen: 1 year</p>			

### GENERAL INFORMATION

Expected TAT	6 - 10 days
Clinical Use	<p>Ganglioside antibodies are associated with diverse peripheral neuropathies. Elevated antibody levels to ganglioside-monosialic acid (GM1) and the neutral glycolipid, asialo-GM1 are associated with motor or sensorimotor neuropathies, particularly multifocal motor neuropathy. Anti-GM1 may occur as IgM (polyclonal or monoclonal) or IgG antibodies. These antibodies may also be found in patients with diverse connective tissue diseases as well as normal individuals. GD1a antibodies are associated with different variants of Guillain-Barre syndrome (GBS) particularly acute motor axonal neuropathy while GD1b antibodies are predominantly found in sensory ataxic neuropathy syndrome. Anti-GQ1b antibodies are seen in more than 80% of patients with Miller-Fisher syndrome and may be elevated in GBS patients with ophthalmoplegia. The role of isolated anti-GM2 antibodies is unknown. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease.</p>
Performing Labcorp Test Code	830700
Notes	Labcorp Test Code: 830700
CPT Code(s)	83516x6
Lab Section	Reference Lab