**Ganglioside (GM1, GD1b, and GQ1b) Antibodies, IgG and IgM**

ARUP test code 2004998

### GM1 Antibody, IgG
- **Result:** 5 IV
- **(Ref Interval: 0-50)**

### GM1 Antibody, IgM
- **Result:** 2 IV
- **(Ref Interval: 0-50)**

**INTERPRETIVE INFORMATION:**

Ganglioside (GM1) Antibodies, IgG and IgM

- 29 IV or less: Negative
- 30-50 IV: Equivocal
- 51-100 IV: Positive
- 101 IV or greater: Strong positive

Ganglioside antibodies are associated with diverse peripheral neuropathies. Elevated antibody levels to ganglioside-monosialic acid (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. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

### GD1b Antibody, IgG
- **Result:** 2 IV
- **(Ref Interval: 0-50)**

### GD1b Antibody, IgM
- **Result:** 1 IV
- **(Ref Interval: 0-50)**

### GQ1b Antibody, IgG
- **Result:** 1 IV
- **(Ref Interval: 0-50)**

### GQ1b Antibody, IgM
- **Result:** 1 IV
- **(Ref Interval: 0-50)**

**H=High, L=Low, *=Abnormal, C=Critical**
INTERPRETIVE INFORMATION: Ganglioside (GD1b and GQ1b) Antibodies, IgG and IgM

29 IV or less: Negative
30-50 IV: Equivocal
51-100 IV: Positive
101 IV or greater: Strong positive

Ganglioside antibodies are associated with diverse peripheral neuropathies. GD1b antibodies are predominantly found in sensory ataxic neuropathy syndrome. GQ1b antibodies are seen in more than 80% of patients with Miller-Fisher syndrome and may be elevated in Guillain-Barre syndrome patients with ophthalmoplegia. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

VERIFIED/REPORTED DATES

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H=High, L=Low, *=Abnormal, C=Critical