

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

Patient ID SA00071942	Patient Name SAMPLEREPORT, FGAGM ABNORMAL	Birth Date 1971-10-27	Gender F	Age 43
Order Number SA00071942	Client Order Number SA00071942	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 07 Dec 2014 00:00		

Ganglioside Antibodies, IgG-IgM

Asialo-GM1 Antibodies, IgG-IgM

 **51 IV**
High

Y006
Reference Value
0–50

GM1 Antibodies, IgG-IgM

 **85 IV**
High

Y006
Reference Value
0–50

GM2 Antibodies, IgG-IgM

 **99 IV**
High

Y006
Reference Value
0–50

GD1a Antibodies, IgG-IgM

 **100 IV**
High

Y006
Reference Value
0–50

GD1b Antibodies, IgG-IgM

 **64 IV**
High

Y006
Reference Value
0–50

GQ1b Antibodies, IgG-IgM

 **79 IV**
High

Y006
Reference Value
0–50

INTERPRETIVE INFORMATION: Ganglioside (Asialo-GM1, GM1, GM2, GD1a, GD1b, and GQ1b) Antibodies, IgG/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), 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 percent 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.
Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

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Code	Laboratory	Address	Lab Director	CLIA Certificate
Y006	ARUP Laboratories	500 Chipeta Way, Salt Lake City, UT 84108		