Patient ID	Patient Name		Birth Date	Sex	Age
C7028846-0006093	DMNES, ABNORMAL		1990-10-30	M	33
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
X100469610	X100469610	UNKNOWN,PROVIDER			
Account Information		**Collected**			
C7028846 DLMP Rochester		22 Jul 2024 09:00			

Demyelinating Neuropathy Ab Eval, S

Demyelinating Neuropathy Interpretation, S

MCR

These results are suggestive of an immune mediated demyelinating neuropathy but given the presence of multiple antibody specificities careful consideration of the clinical presentation and correlation with correlation with clinical electrodiagnostic features is emphasized. Neurofascin-155 IgG4 and Contactin-1 IgG are associated with autoimmune nodopathy and have been reported to be associated with limited IVIG response. Contactin-1 IgG is also associated with co-existing membranous glomerulonephropathy. GQ1b (IgG) antibodies occur in Miller-Fisher, Fisher-Bickerstaff, pharyngeal cervical-brachial variant Guillain-Barre syndromes having variably present demyelinating neuropathy, ophthalmoplegia, ataxia, brainstem features with encephalitis and less commonly other neurogenic conditions.

- References Dubey, D., et al. (2020). Contactin-1 autoimmunity: Serologic, neurologic, and pathologic correlates. Neurology Neuroimmunology Neuroinflammation, 7(4). [PMID: 32434797]
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- Odaka, M., Yuki, N., and Hirata, K. (2001). Anti-GQ1b IgG antibody syndrome: Clinical and immunological range. Journal of Neurology, Neurosurgery and Psychiatry, 70(1), 50–55. [PMID: 11118240]
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- Shelly, S., et al. (2021). Neurofascin-155 immunoglobulin subtypes: Clinicopathologic associations and neurologic outcomes. Neurology, 97(24), e2392-e2403. [PMID: 34568827]

Environment ETAB Template

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	Nikola Baumann Ph.D.	24D0404292

MAYO CLINIC LABORATORIES

Patient ID	Patient Name		Birth Date	Sex	Age
C7028846-0006093	DMNES, ABNORMAL		1990-10-30	M	33
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
X100469610	X100469610	UNKNOWN,PROVIDER			
Account Information		**Collected**			
C7028846 DLMP Rochester		22 Jul 2024 09:00			

Result Name	Result	Unit	Reference Value	Performing Site
Abn **Contactin-1 IgG CBA, S**	**Positive**		Negative	[1] MCR
Abn **GQ1b-IgG ELISA, S**	**Positive**		Negative	[1] MCR
Abn **Neurofascin-155 IgG4, S**	**Positive**		Negative	[1] MCR
IgG Disialo. GD1b	Negative		Negative	[1] MCR
IgM Disialo. GD1b	Negative		Negative	[1] MCR
IgG Monos. GM1	Negative		Negative	[1] MCR
IgM Monos. GM1	Negative		Negative	[1] MCR
MAG IgM, S	<1500	Buhlmann Titer Unit	<1500	[1] MCR

Received: 23 Jul 2024 09:16

Reported: 23 Jul 2024 09:34

Test Environment ETAB Template

Laboratory Notes

[1] This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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