

Patient ID SA00169922	Patient Name MAC1, TEST3	Birth Date 2000-01-01	Sex F	Age 24
Order Number SA00169922	Client Order Number SA00169922	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 20 Aug 2024 09:27		

Myelopathy, Autoimm/Paraneo, CSF

Autoimmune Myelopathy Interp, CSF

MCR

The following antibody was identified: Tripartite Motif-Containing Protein 46 (TRIM46)-IgG

- This profile supports a diagnosis of neurological autoimmunity.
- Considerations include cerebellar ataxia and encephalitis. A paraneoplastic basis should be considered. Considerations include neuroendocrine tumors such as small cell lung cancer.
- References:
- van Coevorden-Hameete et al. Antibodies to TRIM46 are associated with paraneoplastic neurological syndromes. Ann Clin Tran Neurol. 2017;4(9):680–686. doi:10.1002/acn3.396
- Sham'li et al. A new paraneoplastic encephalomyelitis autoantibody reactive with the axon initial segment. Neurosci Lett. 2009;467(2):169–72. doi:10.1016/j.neulet.2009.10.031
- Valencia-Sanchez et al. TRIM46 autoantibody: expanded neurological phenotype and oncological associations. Neurology. 2021;96(15 Supplement) 1657

IFA Notes

MCR

None.

Result Name	Result	Unit	Reference Value	Performing Site
 TRIM46 Ab IFA, CSF 	Reactive		Negative	① MCR
Tissue based immunofluorescence screening was reactive, confirmation by antigen-specific reflex to follow. A reactive result indicates an immunofluorescence pattern suggestive of this antibody specificity, but confirmatory testing is necessary before being finalized.				
Amphiphysin Ab, CSF	Negative		Negative	① MCR
AGNA-1, CSF	Negative		Negative	① MCR
ANNA-1, CSF	Negative		Negative	① MCR
ANNA-2, CSF	Negative		Negative	① MCR
ANNA-3, CSF	Negative		Negative	① MCR
AP3B2 IFA, CSF	Negative		Negative	① MCR
CRMP-5-IgG Western Blot, CSF	Negative		Negative	① MCR
DPPX Ab CBA, CSF	Negative		Negative	① MCR
GABA-B-R Ab CBA, CSF	Negative		Negative	① MCR
GAD65 Ab Assay, CSF	0.00	nmol/L	≤ 0.02	① MCR
GFAP IFA, CSF	Negative		Negative	① MCR
mGluR1 Ab IFA, CSF	Negative		Negative	① MCR

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

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Result Name	Result	Unit	Reference Value	Performing Site
Neurochondrin IFA, CSF	Negative		Negative	1 MCR
NIF IFA, CSF	Negative		Negative	1 MCR
NMO/AQP4-IgG FACS, CSF	Negative		Negative	1 MCR
Aquaporin-4 antibody testing is more sensitive in serum than in spinal fluid. Recommend serum testing now if not completed, and repeating in 6 months if clinical suspicion is high. Negative result can occur in the setting of immunosuppression.				
PCA-1, CSF	Negative		Negative	1 MCR
PCA-2, CSF	Negative		Negative	1 MCR
Septin-7 IFA, CSF	Negative		Negative	1 MCR

Received: 21 Aug 2024 09:31

Reported: 21 Aug 2024 10:37

TRIM46 Ab CBA, CSF

Result Name	Result	Unit	Reference Value	Performing Site
 TRIM46 Ab CBA, CSF	Positive		Negative	1 MCR

Received: 21 Aug 2024 09:31

Reported: 21 Aug 2024 10:35

TRIM46 Ab IFA Titer, CSF

Result Name	Result	Unit	Reference Value	Performing Site
 TRIM46 Ab IFA Titer, CSF	Positive 1:4	titer	<1:2	1 MCR

Received: 21 Aug 2024 09:31

Reported: 21 Aug 2024 10:36

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.

Performing Site Legend

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