

Patient ID SA00169919	Patient Name ENS2, TEST3	Birth Date 2000-01-01	Sex F	Age 24
Order Number SA00169919	Client Order Number SA00169919	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 20 Aug 2024 09:24		

Encephalopathy, Autoimm/Paraneo, S

Encephalopathy, Interpretation, S

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, S 	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.				
AMPA-R Ab CBA, S	Negative		Negative	① MCR
Amphiphysin Ab, S	Negative		Negative	① MCR
AGNA-1, S	Negative		Negative	① MCR
ANNA-1, S	Negative		Negative	① MCR
ANNA-2, S	Negative		Negative	① MCR
ANNA-3, S	Negative		Negative	① MCR
CASPR2-IgG CBA, S	Negative		Negative	① MCR
CRMP-5-IgG, S	Negative		Negative	① MCR
DPPX Ab CBA, S	Negative		Negative	① MCR
GABA-B-R Ab CBA, S	Negative		Negative	① MCR
GAD65 Ab Assay, S	0.00	nmol/L	≤ 0.02	① MCR
GFAP IFA, S	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

Patient ID SA00169919	Patient Name ENS2, TEST3	Birth Date 2000-01-01	Sex F	Age 24
Order Number SA00169919	Client Order Number SA00169919	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 20 Aug 2024 09:24		

Result Name	Result	Unit	Reference Value	Performing Site
mGluR1 Ab IFA, S	Negative		Negative	① MCR
IgLON5 CBA, S	Negative		Negative	① MCR
LGI1-IgG CBA, S	Negative		Negative	① MCR
Neurochondrin IFA, S	Negative		Negative	① MCR
NIF IFA, S	Negative		Negative	① MCR
NMDA-R Ab CBA, S	Negative		Negative	① MCR
PCA-1, S	Negative		Negative	① MCR
PCA-2, S	Negative		Negative	① MCR
PCA-Tr, S	Negative		Negative	① MCR
PDE10A Ab IFA, S	Negative		Negative	① MCR
Septin-7 IFA, S	Negative		Negative	① MCR

Received: 21 Aug 2024 09:32

Reported: 21 Aug 2024 11:03

TRIM46 Ab CBA, S

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

Received: 21 Aug 2024 09:32

Reported: 21 Aug 2024 11:02

TRIM46 Ab IFA Titer, S

Result Name	Result	Unit	Reference Value	Performing Site
 TRIM46 Ab IFA Titer, S	Positive 1:240	titer	<1:240	① MCR

Received: 21 Aug 2024 09:32

Reported: 21 Aug 2024 11:02

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

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