Epilepsy Autoimmune Evaluation Algorithm—Spinal Fluid

The following tests are always performed:

- Glutamic acid decarboxylase (GAD65) antibody assay
- Antineuronal nuclear antibody-type 1 (ANNA-1)
- Antineuronal nuclear antibody-type 2 (ANNA-2)
- Antineuronal nuclear antibody-type 3 (ANNA-3)
- Purkinje cell cytoplasmic antibody, type 2 (PCA-2)
- Purkinje cell cytoplasmic antibody, type Tr (PCA-Tr)
- Ampiphysin antibody assay
- Collapsin response-mediator protein-5 neuronal (CRMP-5-IgG)
- Anti-glial/neuronal nuclear antibody-type 1 (AGNA-1)
- Dipeptidyl-peptidase-like protein-6 (DPPX) antibody
- Metabotropic glutamate receptor 1 (mGluR1) antibody
- Gial fibrillary acidic protein (GFAP) alpha subunit antibody
- NMDA-receptor antibody
- AMPA-receptor antibody
- GABA-B-receptor antibody
- Contactin-associated protein-like-2 (CASP2)-IgG
- Leucine-rich glioma inactivated protein-1 IgG

If IFA pattern suggests ANNA-2:

- ANNA-2 antibody by immunoblot

If IFA pattern suggests AGNA-1:

- CRMP-5-IgG Western blot
- CRMP-5-IgG antibody by immunoblot

If IFA pattern suggests DPPX antibody:

- DPPX antibody by CBA
- DPPX antibody by IF titer assay

If IFA pattern suggests AMPA-receptor antibody and AMPA-receptor antibody, CBA are positive:

- AMPA-receptor antibody IF titer assay

If pattern suggests NMDA-receptor antibody and NMDA-receptor antibody, CBA are positive:

- NMDA-receptor antibody IF titer assay

If IFA pattern suggests mGluR1 antibody:

- mGluR1 antibody by CBA
- mGluR1 antibody by IF titer assay

If pattern suggests AMPA-receptor antibody IF titer assay:

- AMPA-receptor antibody IF titer assay

If pattern suggests PCA-Tr:

- PCA-Tr antibody by CBA
- PCA-Tr antibody by IF titer assay