

Spinocerebellar Ataxia (SCA)

Anti-MAG (Myeline Associated Glycoprotein) Antibodies

MAG - A minor component of myelin in central & peripheral nervous system

🕒 Implicated in formation & maintenance of myelin

Detection of MAG IgM auto- antibodies suggests active demyelination in a peripheral neuropathy

Clinical Significance :

🕒 Of all the peripheral neuropathy cases with IgM paraproteinemia, 50% possess anti-MAG antibodies

🕒 Neuropathies associated with anti- MAG with IgM paraproteinemia are slowly progressive with evidence of demyelination and a variable degree of axonal loss usually associated with gait ataxia

Anti- MAG IgM @ Metropolis

🕒 Done by ELISA* method

Significantly more sensitive & specific than western blot & immunofluorescence Antibody Assay (IFA)