

What Complement Proteins Should be measured?

There are multiple complement proteins in the body. Some exist in the serum, and some bind to IgG. The major complement proteins that bind to IgG are C3b and C3d. After IgG binds to an antigen, such as dairy or gluten, if it encounters C3 in the serum, it will create the cleavage of C3 into C3b, which binds to multiple sites on IgG. It will be degraded, and finally form C3d, which also binds to IgG. By measuring multiple types of complement that bind to IgG, you are more likely to identify the IgG titers that have the most inflammatory potential in the patient. Measuring multiple steps in the complement cascade creates paints a more clear picture of overall complement activation.

