

## Acetylcholine Receptor Blocking Antibody

Test ID: 34459

CPT: 86042

### Clinical Significance

Acetylcholine Receptor Blocking Antibody - Myasthenia Gravis (MG) is an autoimmune neuromuscular disorder characterized by muscle weakness, most commonly due to autoantibody-mediated loss of functional acetylcholine receptors (AChR) in the neuromuscular junction. AChR binding autoantibodies are diagnostic of MG, and are found in 85-90% of MG patients. AChR blocking autoantibodies prevent inter-action of binding antibodies with the AChR. Fewer than 1% of patients have blocking antibodies without binding antibodies. Blocking antibodies are present in about 50% of patients with MG, but rare in other conditions. Therefore, blocking antibodies have utility in ruling out a possible false positive binding assay and detecting the rare patient without AChR binding antibodies.

### Test Details

**Components:** Acetylcholine Receptor Blocking Antibody

**Methodology:** Radioimmunoassay (RIA)

### Reference Range

<15 % Inhibition

### Container

Serum Separator Tube (SST®)

### Transport Temperature

Room temperature

### Specimen(s)

1 mL serum  
Minimum Volume: 0.5 mL

### Specimen Stability

Room temperature: 14 days  
Refrigerated: 14 days  
Frozen: 30 days

### Reject Criteria

Gross hemolysis • Grossly lipemic •  
Microbially contaminated

### Days Performed

Set up: Sun, Tues, Thurs p.m.  
Report available: 6 days

### Collection Instructions

\*The CPT codes provided are based on AMA guidance and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.