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**Lab Dept:** Serology

**Test Name:** ENDOMYSIAL IGA ANTIBODY

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***General Information***

**Lab Order Codes:** ENDO

**Synonyms:** Antiendomysial Aby; Antimesothelial Aby

**CPT Codes:** 86255 - Fluorescent noninfectious agent antibody; screen, each antibody

86256 - - Fluorescent noninfectious agent antibody; screen, each antibody (if appropriate)

**Test Includes:** Report includes presence of circulating IgA endomysial antibodies and automatic reflex to titer if serum screen is positive or indeterminate at an additional charge.

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***Logistics***

**Test Indications:** Useful for diagnosis of dermatitis herpetiformis and celiac disease. Monitoring adherence to gluten-free diet in patients with dermatitis herpetiformis and celiac disease. Because of the high specificity of Endomysial Antibodies for celiac disease, the test may obviate the need for multiple small bowel biopsies to verify the diagnosis. This may be particularly advantageous in the pediatric population, including the evaluation of children with failure to thrive.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories (MML Test: EMA)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 7 days; test set up Monday - Friday

**Special Instructions:** See [Mayo's Celiac Disease Algorithm](#) for more information.

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***Specimen***

**Specimen Type:** Blood

<b>Container:</b>	SST (Gold, marble or red)
<b>Draw Volume:</b>	6 mL (Minimum: 1.5) blood
<b>Processed Volume:</b>	2 mL (Minimum: 0.5 mL) serum
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into screw-capped round bottom plastic vial. Store and ship refrigerated. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; grossly icteric

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### ***Interpretive***

<b>Reference Range:</b>	<p>Report includes presence and titer of circulating IgA endomysial antibodies.</p> <p>Negative in normal individuals; also negative in dermatitis herpetiformis or celiac disease patients adhering to a gluten-free diet.</p> <p>Additionally a titer will automatically be performed on any result of positive or indeterminate.</p>
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	<p>A negative result (absence of circulating IgA Endomysial Antibody) does not exclude the diagnosis of dermatitis herpetiformis or celiac disease.</p> <p>Patients with mild gluten sensitive enteropathy may have a negative result.</p>
<b>Methodology:</b>	Indirect Fluorescent Assay
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> April 2017
<b>Updates:</b>	<p>4/14/2004: Test moved from Specialty Laboratories to Mayo Medical Laboratories.</p> <p>1/28/2016: CPT update</p> <p>4/12/2017: Addition of reflex titer for positive/indeterminate results.</p>