
Lab Dept: Serology

Test Name: ISLET ANTIGEN 2 ANTIBODY

General Information

Lab Order Codes: IA2

Synonyms: IA-2; ICA-512; Anti-IA2 Antibodies; Islet Cell Antibody

CPT Codes: 86341 - Islet cell antibody

Test Includes: Islet Antigen 2 antibody reported in nmol/L.

Logistics

Test Indications: Clinical distinction of type 1 from type 2 diabetes mellitus and for identification of individuals at risk of type 1 diabetes. Prediction of future need for insulin treatment in adult-onset diabetic patients.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Clinic Laboratories (MML: IA2)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 9 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST tube, Red, Gold or Marble

Draw Volume: 4.5 mL (Minimum: 3 mL) blood

Processed Volume: 1.5 mL (Minimum: 1 mL) serum

Collection: Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen and remove aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly. Specimen stable refrigerated (preferred) or frozen for 28 days, ambient for 72 hours.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; gross icterus

Interpretive

Reference Range:	All ages: < or = 0.02 nmol/L Note: >0.02 nmol/L is supportive of: <ul style="list-style-type: none">• A diagnosis of type 1 diabetes• A high risk for future development of diabetes• A current of future need for insulin therapy in patients with diabetes
Critical Values:	N/A
Limitations:	Negative results do not exclude the diagnosis of or future risk for type 1 diabetes mellitus. The risk of developing type 1 diabetes may be stratified further by testing for: 1. Antibodies targeting insulin, glutamic acid decarboxylase, and zinc transporter 8 (ZnT8) and 2. HLA genetic markers. Careful monitoring of hyperglycemia is the mainstay of determining the requirement for insulin therapy.
Methodology:	Radioimmunoassay (IA)
References:	Mayo Clinic Laboratories December 2024
Updates:	6/17/2020: Updated specimen collection volumes. 12/27/2024: Edited reference range typo. Added specimen stability.