Test Definition: SUBIF

IGG Subtypes Immunofluorescence

Overview

Useful For

Determining the subclass of IgG antibody found in renal immunofluorescent panel and determining if the deposits are monoclonal or monotypic

Special Instructions

- Renal Biopsy Patient Information
- Renal Biopsy Procedure for Handling Tissue for Light Microscopy (LM), Immunofluorescent Histology (IH), and Electron Microscopy (EM)

Method Name

Direct Immunofluorescence

NY State Available

Yes

Specimen

Specimen Type

Special

Ordering Guidance

If additional interpretation/analysis is needed, request PATHC / Pathology Consultation along with this test and send the corresponding renal pathology light microscopy and immunofluorescence (IF) slides (or IF images on a CD), electron microscopy images (prints or CD), and the pathology report.

Shipping Instructions

1. Advise shipping specimens in Styrofoam transportation coolers to avoid extreme hot or cold temperatures to ensure specimens are received at required specimen stability temperature.

2. Attach the green pathology address label included in the kit to the outside of the transport container.

Necessary Information

A pathology/diagnostic report is required.

Specimen Required

Preferred: Frozen tissue

Supplies: Renal Biopsy Kit (T231)

Specimen Type: Kidney tissue

Container/Tube: Renal Biopsy Kit, Zeus/Michel's, Frozen

Specimen Volume: Entire specimen

Collection Instructions: Collect specimens according to the instructions in Renal Biopsy Procedure for Handling Tissue for Light Microscopy (LM), Immunofluorescent Histology (IF), and Electron Microscopy (EM) in Special

Instructions.

Additional Information: If standard immunoglobulin and complement immunofluorescence has already been performed, submit the residual frozen tissue (must contain glomeruli) on dry ice.

Acceptable: Frozen tissue

Slides: 4 frozen tissue unstained positively-charged glass slides (25- x 75- x 1-mm) per test ordered; sections 4-microns thick.

Forms

1. Renal Biopsy Patient Information in Special Instructions

2. If not ordering electronically, complete, print, and send a Renal Diagnostics Test Request (T830) with the specimen.

Reject Due To

All specimens will be evaluated at Mayo Clinic Laboratories for test suitability.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Special	Frozen (preferred)		
	Ambient		
	Refrigerated		

Clinical and Interpretive

Clinical Information

IgG subtypes are helpful in confirming some disease processes affecting the kidney.

Interpretation

Staining intensity is graded as negative (0), weak (trace, 1+), moderate (2+) and strong (3+) and will be reported as such when not accompanied by a pathology consultation request.

Cautions

No significant cautionary statements

Clinical Reference

Hemminger J, Nadasdy G, Satoskar A, Brodsky SV, Nadasdy T: IgG subclass staining in routine renal biopsy material. Am J Surg Pathol. 2016 May;40(5):617-626

Performance

Method Description

Direct immunofluorescence staining on sections of fresh or frozen tissue.(Unpublished Mayo method)

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

1 to 2 days

Specimen Retention Time

5 years

Performing Laboratory Location

Rochester

Fees and Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

Test Classification

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

CPT Code Information

88346-primary IF

88350-if additional IF

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
SUBIF	IGG Subtypes Immunofluorescence	In Process

Result ID	Test Result Name	Result LOINC Value
BA0271	Interpretation	50595-8
BA0272	Participated in the Interpretation	No LOINC Needed
BA0275	Report electronically signed by	19139-5
BA0276	Addendum	35265-8
BA0274	Gross Description	22634-0
BA0273	Material Received	22633-2
71618	Disclaimer	62364-5

Result ID	Test Result Name	Result LOINC Value
71850	Case Number	80398-1