

Neural Epidermal Growth Factor-Like 1 Protein Immunostain, Technical Component Only

Test ID: NELL1

Explanation:

NELL1 will become obsolete on December 29, 2025.

Recommended Alternative Test:

Membranous Nephropathy Target Antigen Identification, Mass Spectrometry, Tissue

Test ID: MSMN

Methodology:

Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

Specimen Requirements:

Supplies: Pathology Packaging Kit (T554)

Specimen Type: Kidney Tissue

Collection Instructions: Formalin-fixed, paraffin-embedded tissue block

Additional Information: **Do not send fixed tissue slides.** Testing can only be done on paraffin-embedded tissue blocks.

Specimen Stability Information:

Specimen Type	Temperature	Time
Special	Ambient (preferred)	
	Refrigerated	

Cautions:

No significant cautionary statements

CPT Code:

82542

88380

Day(s) Performed: Monday through Friday

Report Available: 7 to 15 days

Pathology Consultation

Test ID: PATHC

Specimen Requirements:**Additional Information:**

All specimens and additional paperwork must be labeled with:

- Two patient identifiers (first and last name, date of birth, or medical record number)
- Specimen type and anatomic site

Supplies: Pathology Packaging Kit (T554)

Specimen Type: Tissue

Container/Tube: Formalin-fixed paraffin-embedded blocks, stained slides, and/or unstained slides

Note: Submit only pertinent hematoxylin and eosin (H and E) and all special stains relevant to the diagnostic questions for the case. Include positively charged unstained slides and/or a formalin-fixed, paraffin-embedded tissue block if it is anticipated that additional stains or ancillary testing may be necessary.

Bone Marrow Case Specimen Requirements

For information on collecting specimens, see [Bone Marrow Core Biopsy, Clot, and Aspirate Collection Guideline](#).

Specimen Type: Bone marrow aspirate

Slides: 5

Preferred: Freshly prepared slides made at the time of specimen collection

Acceptable: Slides made from EDTA specimen, within 2 hours of collection

Submission Container/Tube: Plastic slide holder

Specimen Type: Bone marrow aspirate clot

Container/Tube: Bone marrow aspirate clot embedded in paraffin block

Collection Instructions: Process and embed clot in paraffin

Specimen Type: Bone marrow core biopsy

Container/Tube: Fixed biopsy core embedded in paraffin block

Collection Instructions: Process and embed core in paraffin.

Specimen Type: Blood

Slides: 2

Preferred: 2 Freshly prepared fingerstick slides

Acceptable: 2 Slides made from whole blood in EDTA, made within 8 hours of collection

Submission Container/Tube: Plastic slide holder

Cautions:

Hematopathology, medical renal pathology, and dermatopathology primary consultation can be provided by separate tests (HPWET / Hematopathology Consultation, MCL Embed; RPCWT / Renal Pathology Consultation, Wet Tissue; DEXT / Dermatopathology Consultation, Wet Tissue). Otherwise, primary interpretation should be performed by a local pathology service and Mayo Clinic pathologists will render a second opinion if requested.

Appropriate stained and unstained slides and tissue sampling and fixation is required to make a diagnosis on routine stains and on the special stains or studies that may be required.

Specific diagnosis may require correlation with clinical information

Day(s) Performed: Monday through Friday

Report Available: 4 to 8 days; The final pathology report may be delayed if additional materials are required, or if ancillary testing (up to 21 days) is indicated.

Questions

Contact Richard Einerson/Sarah Turner, Laboratory Technologist Resource Coordinator at 800-533-1710.