

Overview

Useful For

Differentiation between melanoma and benign nevi.

Reflex Tests

| Test Id | Reporting Name | Available Separately | Always Performed |
|---------|---------------------------|----------------------|------------------|
| IHTOI | IHC Initial, Tech Only | No | No |
| IHTOA | IHC Additional, Tech Only | No | No |

Testing Algorithm

For the initial technical component only immunohistochemical (IHC) stain performed, the appropriate bill-only test ID will be reflexed and charged (IHTOI). For each additional technical component only IHC stain performed, an additional bill-only test ID will be reflexed and charged (IHTOA).

Method Name

Immunohistochemistry (IHC)

NY State Available

Yes

Specimen

Specimen Type

TECHONLY

Ordering Guidance

This test includes only technical performance of the stain (no pathologist interpretation is performed). If diagnostic consultation by a pathologist is required order PATHC / Pathology Consultation.

Shipping Instructions

Attach the green pathology address label and the pink Immunostain Technical Only label included in the kit to the outside of the transport container.

Specimen Required

Supplies: Immunostain Technical Only Envelope (T693)

Specimen Type: Tissue

Container/Tube: Immunostain Technical Only Envelope

Preferred: 2 unstained positively charged glass slide (25- x 75- x 1-mm) per test ordered; sections 4-microns thick.

Acceptable: Formalin-fixed, paraffin-embedded (FFPE) tissue block

Digital Image Access

1. Information on accessing digital images of immunohistochemical (IHC) stains and the manual requisition form can be accessed through this website: <https://news.mayocliniclabs.com/ihc-stains/>
2. Clients ordering stains using a manual requisition form will not have access to digital images.
3. Clients wishing to access digital images must place the order for IHC stains electronically. Information regarding digital imaging can be accessed through this website: <https://news.mayocliniclabs.com/ihc-stains/#FAQ>

Reject Due To

| | |
|--|--------|
| Wet/frozen tissue Cytology smears Nonformalin fixed tissue Nonparaffin embedded tissue Noncharged slides ProbeOn slides | Reject |
|--|--------|

Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---------------|---------------------|------|-------------------|
| TECHONLY | Ambient (preferred) | | |
| | Refrigerated | | |

Clinical & Interpretive

Clinical Information

PRAME (Preferentially expressed Antigen in Melanoma) expression in melanocytic neoplasms is strongly associated with melanoma and may be useful in differentiating benign nevi from malignant melanocytic lesions.

Interpretation

This test does not include pathologist interpretation only technical performance of the stain. If interpretation is required, order PATHC / Pathology Consultation for a full diagnostic evaluation or second opinion of the case.

The positive and negative controls are verified as showing appropriate immunoreactivity and documentation is retained at Mayo Clinic Rochester. If a control tissue is not included on the slide, a scanned image of the relevant quality control tissue is available upon request; call 855-516-8404.

Interpretation of this test should be performed in the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Cautions

Age of a cut paraffin section can affect immunoreactivity. Stability thresholds vary widely among published literature and are antigen dependent. Best practice is for paraffin sections to be cut within 6 weeks.

Clinical Reference

1. Lezcano C, Jungbluth AA, Nehal KS, et al: PRAME expression in melanocytic tumors. *Am J Surg Pathol*. 2018 Nov;42(11):1456-1465. doi: 10.1097/PAS.0000000000001134
2. Raghavan SS, Wang JY, Toland A, et al: Diffuse PRAME expression is highly specific for malignant melanoma in the distinction from clear cell sarcoma. *J of Cutan Pathol*. 2020 Dec;47(12):1226-1228. doi: 10.1111/cup.13812
3. Gradecki SE, Slingluff CL Jr, Gru AA: PRAME expression in 155 cases of metastatic melanoma. *J Cutan Pathol*. 2021 Apr;48(4):479-485. doi: 10.1111/cup.13876
4. Lezcano C, Jungbluth AA, Busam KJ: Comparison of immunohistochemistry for PRAME with cytogenetic test results in the evaluation of challenging melanocytic tumors. *Am J Surg Pathol*. 2020 Jul;44(7):893-900. doi: 10.1097/PAS.0000000000001492
5. Lezcano C, Jungbluth AA, Busam KJ: PRAME immunohistochemistry as an ancillary test for the assessment of melanocytic lesions. *Surg Pathol Clin*. 2021 Jun;14(2):165-175. doi: 10.1016/j.path.2021.01.001

Performance**Method Description**

Immunohistochemistry on sections of paraffin-embedded tissue.(Unpublished Mayo method)

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

1 to 3 days

Specimen Retention Time

Until staining is complete

Performing Laboratory Location

Rochester

Fees & 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 account representative. 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

88342-TC, primary

88341-TC, if additional IHC

LOINC® Information

| Test ID | Test Order Name | Order LOINC® Value |
|---------|----------------------|--------------------|
| PRAME | PRAME IHC, Tech Only | No LOINC Needed |

| Result ID | Test Result Name | Result LOINC® Value |
|-----------|----------------------|---------------------|
| 615795 | PRAME IHC, Tech Only | No LOINC Needed |