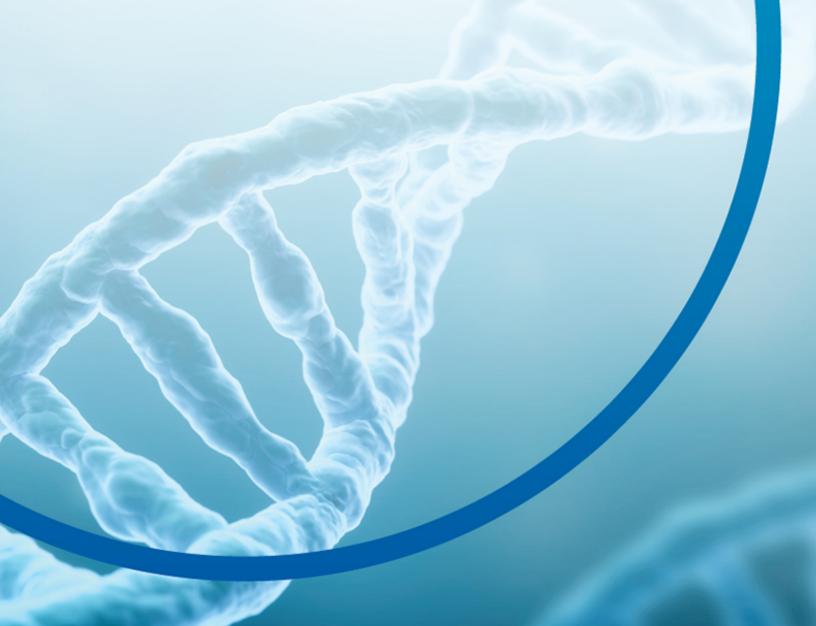


# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





## DOG1

### Methodology

Immunohistochemistry (IHC)

### **Test Description**

DOG1 is a cell surface protein of unknown function selectively expressed in gastrointestinal stromal tumors (GIST). Among GIST cases with Kit mutations the DOG1 antibody identified 11% more cases than c-Kit antibody. DOG1 identifies the vast majority of both cKIT negative and Platelet-derived Growth Factor Receptor Alpha (*PDGFRA*) mutated GIST cases that may still benefit from imatinib mesylate (Gleevec<sup>®</sup>), an inhibitor of the Kit tyrosine kinase. In addition, DOG1 immunoreactivity is seen in fewer cases of mesanchymal, epithelial tumors and melanomas when compared with cKIT. The use of this highly sensitive and specific novel marker will increase the accuracy of GIST diagnosis.

### **Specimen Requirements**

- A formalin-fixed, paraffin-embedded (FFPE) tissue block is preferred specimen type or
- One (1) unbaked, unstained slide for H&E staining (required) and two to three (2-3) positively charged unstained slides (all cut at 4-5 microns) for each test/antibody ordered
- Block and slide identifiers should be clearly written and match exactly with the specimen ID and specimen labeling as noted on the requisition.

## **Storage & Transportation**

Use cold pack for transport. Make sure cold pack is not in direct contact with specimen.

#### CPT Code(s)\*

88342 x 1 or 88341 x 1

### **New York Approved**

Yes

#### **Level of Service**

Stain Only

#### **Turnaround Time**

24 hours

Please direct any questions regarding coding to the payor being billed.

<sup>\*</sup>The CPT codes provided with our test descriptions are based on AMA guidelines and are for informational purposes only. Correct CPT coding is the sole responsibility of the billing party.

NeoGenomics Laboratories is a specialized oncology reference laboratory providing the latest technologies, testing partnership opportunities, and interactive education to the oncology and pathology communities. We offer the complete spectrum of diagnostic services in molecular testing, FISH, cytogenetics, flow cytometry, and immunohistochemistry through our nation-wide network of CAP-accredited, CLIA-certified laboratories.

Committed to research as the means to improve patient care, we provide Pharma Services for pharmaceutical companies, in vitro diagnostic manufacturers, and academic scientist-clinicians. We promote joint publications with our client physicians. NeoGenomics welcomes your inquiries for collaborations. Please contact us for more information.

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Rev. 052024