

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

GIST48B

RRID:CVCL_M441

Type: Cell Line

Proper Citation

RRID:CVCL_M441

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_M441

Proper Citation: RRID:CVCL_M441

Description: Cell line GIST48B is a Cancer cell line with a species of origin Homo sapiens (Human)

Disease: Gastrointestinal stromal tumor

Defining Citation: [PMID:19706776](#), [PMID:25239608](#), [PMID:29866822](#), [PMID:30488756](#)

Comments: Characteristics: Expresses KIT transcript and protein at essentially undetectable levels (PubMed=19706776).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: GIST48B

Synonyms: GIST-48B

Cross References: cancercellines:CVCL_M441, Cosmic:2805390, GEO:GSM2527249, GEO:GSM2527262, GEO:GSM2527263, GEO:GSM2786736, Wikidata:Q54835859

ID: CVCL_M441

Hierarchy: cvcl_7041

Record Creation Time: 20220427T215902+0000

Record Last Update: 20260815T232841+0000

Ratings and Alerts

No rating or validation information has been found for GIST48B.

No alerts have been found for GIST48B.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Cheng Y, et al. (2025) Integrated screens identify AURKB dependency in advanced gastrointestinal stromal tumors. The Journal of experimental medicine, 222(11).

Esdar C, et al. (2025) M4205 (IDRX-42) Is a Highly Selective and Potent Inhibitor of Relevant Oncogenic Driver and Resistance Variants of KIT in Cancer. Molecular cancer therapeutics, 24(7), 1040.

Schulz T, et al. (2025) Design, Synthesis, and SAR of Covalent KIT and PDGFRA Inhibitors???Exploring Their Potential in Targeting GIST. Journal of medicinal chemistry, 68(3), 3238.

Teuber A, et al. (2024) Avapritinib-based SAR studies unveil a binding pocket in KIT and PDGFRA. Nature communications, 15(1), 63.

Hemming ML, et al. (2022) MOZ and Menin-MLL Complexes Are Complementary Regulators of Chromatin Association and Transcriptional Output in Gastrointestinal Stromal Tumor. Cancer discovery, 12(7), 1804.

Lu X, et al. (2021) Integrated Screens Identify CDK1 as a Therapeutic Target in Advanced Gastrointestinal Stromal Tumors. Cancer research, 81(9), 2481.

Hemming ML, et al. (2019) Enhancer Domains in Gastrointestinal Stromal Tumor Regulate KIT Expression and Are Targetable by BET Bromodomain Inhibition. Cancer research, 79(5), 994.