

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

TIMER

RRID:SCR_018737

Type: Tool

Proper Citation

TIMER (RRID:SCR_018737)

Resource Information

URL: <https://cistrome.shinyapps.io/timer/>

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Description: Web server for comprehensive analysis of tumor infiltrating immune cells. Web tool for systematical analysis of immune infiltrates across diverse cancer types. Allows users to input function specific parameters, with resulting figures dynamically displayed to access tumor immunological, clinical, and genomic features.

Abbreviations: TIMER

Synonyms: Tumor IMmune Estimation Resource

Resource Type: production service resource, web service, analysis service resource, data access protocol, service resource, software resource

Defining Citation: [PMID:29092952](#)

Keywords: Tumor, tumor infiltrating immune cell, immune cell, cell, analysis, cancer cell, cancer type, tumor immunological feature, tumor genomic feature, display

Funding: National Natural Science Foundation of China ;
NCI CA180980;
Dana-Farber Cancer Institute

Availability: Free, Freely available

Resource Name: TIMER

Resource ID: SCR_018737

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260804T043705+0000

Ratings and Alerts

No rating or validation information has been found for TIMER.

No alerts have been found for TIMER.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2042 mentions in open access literature.

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

Al-Mathkour MM, et al. (2026) The YAP1 and EPHA3 receptor tyrosine kinase axis regulates cellular plasticity and treatment response. Cellular signalling, 141, 112368.

Hu YM, et al. (2026) Elevated Tumor-Associated Androgen Receptor Activity Correlates with Poor Immune Infiltration and Immunotherapy Response across Cancer Types. Cancer research communications, 6(1), 17.

Luo M, et al. (2025) Ancestral Differences in Anticancer Treatment Efficacy and Their Underlying Genomic and Molecular Alterations. Cancer discovery, 15(3), 511.

Xu Z, et al. (2025) A Prognostic Risk Signature Based on Myeloid-Derived Suppressor Cells and Regulatory T Cells in Clear Cell Renal Cell Carcinoma. Technology in cancer research & treatment, 24, 15330338251382839.

Withers HG, et al. (2025) Intratumoral B cell and interferon signatures in newly diagnosed glioblastoma are associated with longer survival in patients treated with SurVaxM. Cancer immunology, immunotherapy : CII, 74(11), 332.

Mehta V, et al. (2025) Database analysis reveals endophilin A expression as a marker of metastasis and prognosis in breast cancer. Discover oncology, 16(1), 1832.

Luo B, et al. (2025) Resveratrol amplifies the anti-tumor effect of ??-PD-1 by altering the intestinal microbiome and PGD2 content. Gut microbes, 17(1), 2447821.

Bergsma P, et al. (2025) Integration of Whole-Genome Sequencing Analysis with Unique Patient-Derived Models Reveals Clinically Relevant Drug Targets in TFCP2 Fusion-Defined Rhabdomyosarcoma. Molecular cancer therapeutics, 24(12), 1989.

Kang N, et al. (2025) Exploring B7-H4's Role in Prostate Cancer Dormancy after Androgen Deprivation Therapy: Extracellular Matrix Interactions and Therapeutic Opportunities. Molecular cancer research : MCR, 23(4), 327.

Egea-Rodriguez S, et al. (2025) RECQL4 affects MHC class II-mediated signalling and favours an immune-evasive signature that limits response to immune checkpoint inhibitor

therapy in patients with malignant melanoma. *Clinical and translational medicine*, 15(1), e70094.

Wu Z, et al. (2025) ACSM5 Regulates Ferroptosis in Hepatocellular Carcinoma by Up-Regulating POR and Modulating Lipid Metabolism. *Cancer science*, 116(8), 2125.

Liu J, et al. (2025) Leveraging machine learning models to evaluate immune infiltration in the ovarian cancer microenvironment: a single-cell analysis approach. *Discover oncology*, 16(1), 1291.

Sun J, et al. (2025) NOX4 serves as a pan-cancer prognostic biomarker and therapeutic target in tumorigenesis. *Scientific reports*, 15(1), 24612.

Ma M, et al. (2025) Piezo1/ITGB1 Synergizes With Ca²⁺/YAP Signaling to Propel Bladder Carcinoma Progression via a Stiffness-Dependent Positive Feedback Loop. *Cancer medicine*, 14(14), e71059.

Cao Q, et al. (2025) Nanoparticle-Mediated CXCL12-CXCR4 Inhibition Reprograms Macrophages and Suppresses Gastric Carcinoma. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(30), e00225.

Luo J, et al. (2025) FAM64A silencing inhibits the proliferation, migration, invasion, and epithelial-mesenchymal transition in ovarian cancer cells via activating Hippo pathway. *Discover oncology*, 16(1), 1160.

Yu J, et al. (2025) The Role of CAF-derived Vitronectin in Promoting Colorectal Cancer Progression and Immunosuppression. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(33), e05769.

Sha B, et al. (2025) Single cell RNA sequencing to identify an Immunogenic cell death related prognostic signature in intrahepatic cholangiocarcinoma. *Scientific reports*, 15(1), 23501.

Liu K, et al. (2025) Systematic pan-cancer analysis identifies PKNOX1 as a potential prognostic and immunological biomarker and its functional validation. *Frontiers in immunology*, 16, 1533690.

Mei K, et al. (2025) miR-221 is a prognostic marker and promotes the proliferation and migration of esophageal squamous cell carcinoma by inhibiting autophagy. *Discover oncology*, 16(1), 445.