

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

P815

RRID:CVCL_2154

Type: Cell Line

Proper Citation

RRID:CVCL_2154

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2154

Proper Citation: RRID:CVCL_2154

Description: Cell line P815 is a Cancer cell line with a species of origin *Mus musculus* (Mouse)

Sex: Male

Disease: Mouse mast cell neoplasm

Defining Citation: [PMID:1234049](#), [PMID:3792703](#), [PMID:4208429](#), [PMID:7513208](#), [PMID:10210327](#), [PMID:18432777](#), [PMID:25277546](#), [PMID:31220119](#)

Comments: Part of: Tumor Immunology Bank (TIB) collection from Salk (transferred to ATCC in 1981).

Category: Cancer cell line

Organism: *Mus musculus* (Mouse)

Name: P815

Synonyms: P-815, P 815

Cross References: BTO:BTO_0000985, CLO:CLO_0008340, CLO:CLO_0008341, CLO:CLO_0050217, CLDB:cl3784, CLDB:cl3785, CLDB:cl5244, ATCC:TIB-64, BCRC:60178, BCRJ:0200, BioSample:SAMN11397663, CCRID:1101MOU-PUMC000114, CCRID:3101MOUSCSP516, CCRID:3101MOUTCM12, CCRID:4201MOU-CCTCC00608, CCTCC:GDC0608, ChEMBL-Cells:ChEMBL3307568, ChEMBL-Targets:ChEMBL614226, CLS:400242, DSMZ:ACC-1, DSMZCellDive:ACC-1, IZSLER:BS TCL 118, JCRB:IFO50029, JCRB:JCRB0078, KCB:KCB 93032YJ, Lonza:187, NCBI_Iran:C550, PubChem_Cell_line:CVCL_2154, RCB:RCB1167, TKG:TKG 0168, Wikidata:Q54937317

ID: CVCL_2154

Record Creation Time: 20220427T221407+0000

Record Last Update: 20260809T002509+0000

Ratings and Alerts

No rating or validation information has been found for P815.

Warning: Discontinued: JCRB; IFO50029

Part of: Tumor Immunology Bank (TIB) collection from Salk (transferred to ATCC in 1981).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 236 mentions in open access literature.

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

Beke F, et al. (2026) L-type voltage-gated Ca²⁺ channels control T cell killing via non-canonical Hedgehog signalling. EMBO reports, 27(13), 3689.

Rochussen AM, et al. (2025) Transcriptional adaptation after deletion of Cdc42 in primary T cells. Journal of cell science, 138(15).

Reilly SP, et al. (2025) Unconventional CD8⁺ T cell surveillance of cytomegalovirus via Qa-1/HLA-E-restricted epitope recognition. Science advances, 11(51), eaea8707.

Chang KC, et al. (2025) Caffeic Acid Inhibits Degranulation, Cytokine Secretions, and IP3 Receptor 2 Gene Expression in Compound 48/80-Stimulated Mouse P815 Mast Cells. International journal of molecular sciences, 26(20).

Kamnev A, et al. (2024) Coordinated ARP2/3 and glycolytic activities regulate the morphological and functional fitness of human CD8⁺ T cells. Cell reports, 43(3), 113853.

Kalinina A, et al. (2023) Unique features of the TCR repertoire of reactivated memory T cells in the experimental mouse tumor model. Computational and structural biotechnology journal, 21, 3196.

Takheaw N, et al. (2023) Cannabinoid Receptor 1 Agonist ACEA and Cannabinoid Receptor 2 Agonist GW833972A Attenuates Cell-Mediated Immunity by Different Biological Mechanisms. Cells, 12(6).

Wu T, et al. (2023) Exploring plant polyphenols as anti-allergic functional products to manage the growing incidence of food allergy. Frontiers in nutrition, 10, 1102225.

Raman SNT, et al. (2023) Bivalent vaccines effectively protect mice against influenza A and respiratory syncytial viruses. *Emerging microbes & infections*, 12(1), 2192821.

Yue J, et al. (2023) Mast cell activation mediates blood-brain barrier impairment and cognitive dysfunction in septic mice in a histamine-dependent pathway. *Frontiers in immunology*, 14, 1090288.

Ye X, et al. (2023) Characterization of the Molecular Diversity and Degranulation Activity of Mastoparan Family Peptides from Wasp Venoms. *Toxins*, 15(5).

Jiang P, et al. (2023) Mast cell stabilization: new mechanism underlying the therapeutic effect of intense pulsed light on rosacea. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]*, 72(1), 75.

Bailey C, et al. (2023) Genetic and pharmaceutical targeting of HIF1 α allows combination immunotherapy to boost graft vs. leukemia without exacerbation graft vs. host disease. *Cell reports. Medicine*, 4(11), 101236.

Kotzur R, et al. (2023) Eradication of CD48-positive tumors by selectively enhanced YTS cells harnessing the lncRNA NeST. *iScience*, 26(8), 107284.

Falco M, et al. (2022) Epitope characterization of a monoclonal antibody that selectively recognizes KIR2DL1 allotypes. *HLA*, 100(2), 107.

Widyagarini A, et al. (2022) VSIG4/CR1g directly regulates early CD8 $^{+}$ T cell activation through its counter-receptor in a narrow window. *Biochemical and biophysical research communications*, 614, 100.

Guo Z, et al. (2022) Overexpression of DAPK1-mediated inhibition of IKK α /CSN5/PD-L1 axis enhances natural killer cell killing ability and inhibits tumor immune evasion in gastric cancer. *Cellular immunology*, 372, 104469.

Kristensen AB, et al. (2022) Phenotypic and functional characteristics of highly differentiated CD57 $^{+}$ NKG2C $^{+}$ NK cells in HIV-1-infected individuals. *Clinical and experimental immunology*, 210(2), 163.

Zöphel D, et al. (2022) Faster cytotoxicity with age: Increased perforin and granzyme levels in cytotoxic CD8 $^{+}$ T cells boost cancer cell elimination. *Aging cell*, 21(8), e13668.

Wen T, et al. (2022) NKG7 Is a T-cell-Intrinsic Therapeutic Target for Improving Antitumor Cytotoxicity and Cancer Immunotherapy. *Cancer immunology research*, 10(2), 162.