

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

[Dctn1^{tm1a\(EUCOMM\)}Wtsi](#)

RRID:IMSR_EUMMCR:4111

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:4111

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:4111

Description: Mus musculus with name Dctn1^{tm1a(EUCOMM)}Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: dynactin 1; mutant strain: Dctn1

Affected Gene: dynactin 1

Genomic Alteration: targeted mutation 1a; Wellcome Trust Sanger Institute

Catalog Number: EUMMCR:4111

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Dctn1^{tm1a(EUCOMM)}Wtsi

Record Creation Time: 20250513T061800+0000

Record Last Update: 20260725T052504+0000

Ratings and Alerts

No rating or validation information has been found for Dctn1^{tm1a(EUCOMM)}Wtsi.

No alerts have been found for Dctn1^{tm1a(EUCOMM)}Wtsi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Li R, et al. (2024) Suppression of adaptive NK cell expansion by macrophage-mediated phagocytosis inhibited by 2B4-CD48. Cell reports, 43(3), 113800.

De Sanctis F, et al. (2024) Expression of the membrane tetraspanin claudin 18 on cancer cells promotes T lymphocyte infiltration and antitumor immunity in pancreatic cancer. Immunity, 57(6), 1378.

Zheng M, et al. (2024) TNF compromises intestinal bile-acid tolerance dictating colitis progression and limited infliximab response. Cell metabolism, 36(9), 2086.

Genduso S, et al. (2023) Tumor cell integrin $\alpha 4$ and tumor stroma E-/P-selectin cooperatively regulate tumor growth in vivo. Journal of hematology & oncology, 16(1), 23.

Mah-Som AY, et al. (2021) Reliance on Cox10 and oxidative metabolism for antigen-specific NK cell expansion. Cell reports, 35(9), 109209.

Zhou M, et al. (2020) T cell exhaustion and a failure in antigen presentation drive resistance to the graft-versus-leukemia effect. Nature communications, 11(1), 4227.

Ni J, et al. (2020) Single-Cell RNA Sequencing of Tumor-Infiltrating NK Cells Reveals that Inhibition of Transcription Factor HIF-1 α Unleashes NK Cell Activity. Immunity, 52(6), 1075.

Seo GY, et al. (2018) LIGHT-HVEM Signaling in Innate Lymphoid Cell Subsets Protects Against Enteric Bacterial Infection. Cell host & microbe, 24(2), 249.

Habbeddine M, et al. (2017) Receptor Activator of NF- κ B Orchestrates Activation of Antiviral Memory CD8 T Cells in the Spleen Marginal Zone. Cell reports, 21(9), 2515.

Cook LC, et al. (2014) The role of estrogen signaling in a mouse model of inflammatory bowel disease: a Helicobacter hepaticus model. PloS one, 9(4), e94209.