

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 2, 2025

## ELDA

RRID:SCR\_018933

Type: Tool

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### Proper Citation

ELDA (RRID:SCR\_018933)

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### Resource Information

**URL:** <http://bioinf.wehi.edu.au/software/elda/>

**Proper Citation:** ELDA (RRID:SCR\_018933)

**Description:** Software tool for limiting dilution analysis, with particular attention to needs of stem cell assays. Provides confidence intervals for all LDA data sets, including those with 0% or 100% responses. Other features include test of adequacy of single hit hypothesis, tests for frequency differences between multiple data sets, and ability to take advantage of cases where number of cells in sample is counted exactly.

**Synonyms:** Extreme Limiting Dilution Analysis

**Resource Type:** analysis service resource, software application, service resource, production service resource, data processing software, data analysis software, software resource

**Defining Citation:** [PMID:19567251](https://pubmed.ncbi.nlm.nih.gov/19567251/)

**Keywords:** Limiting dilution analysis, stem cell assay, data set confidence intervals, single hit hypothesis, adequacy test, frequency differences test

**Funding:**

**Availability:** Free, Freely available

**Resource Name:** ELDA

**Resource ID:** SCR\_018933

**Record Creation Time:** 20220129T080342+0000

**Record Last Update:** 20250402T061635+0000

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## Ratings and Alerts

No rating or validation information has been found for ELDA.

No alerts have been found for ELDA.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 330 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Wu Y, et al. (2025) Super-enhancer-driven SLCO4A1-AS1 is a new biomarker and a promising therapeutic target in glioblastoma. *Scientific reports*, 15(1), 954.

Wu X, et al. (2025) m6A Reader PRRC2A Promotes Colorectal Cancer Progression via CK1 $\gamma$ -Mediated Activation of WNT and YAP Signaling Pathways. *Advanced science* (Weinheim, Baden-Wuerttemberg, Germany), 12(3), e2406935.

Zhang P, et al. (2025) METTL14 attenuates cancer stemness by suppressing ATF5/WDR74/ $\beta$ -catenin axis in gastric cancer. *Cancer science*, 116(1), 112.

Bai H, et al. (2024) Progressive senescence programs induce intrinsic vulnerability to aging-related female breast cancer. *Nature communications*, 15(1), 5154.

Wu L, et al. (2024) Tumour microenvironment programming by an RNA-RNA-binding protein complex creates a druggable vulnerability in IDH-wild-type glioblastoma. *Nature cell biology*, 26(6), 1003.

Rubino V, et al. (2024) IL-21/IL-21R signaling renders acute myeloid leukemia stem cells more susceptible to cytarabine treatment and CAR T cell therapy. *Cell reports. Medicine*, 5(11), 101826.

Fan L, et al. (2024) UCHL3 induces radiation resistance and acquisition of mesenchymal phenotypes by deubiquitinating POLD4 in glioma stem cells. *Cellular and molecular life sciences : CMLS*, 81(1), 247.

Garyn CM, et al. (2024) G2 arrest primes hematopoietic stem cells for megakaryopoiesis.

Cell reports, 43(7), 114388.

Uchida Y, et al. (2024) RNA binding protein ZCCHC24 promotes tumorigenicity in triple-negative breast cancer. EMBO reports, 25(12), 5352.

Veo B, et al. (2024) Single-cell multi-omics analysis identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. Research square.

Araki D, et al. (2024) cMPL-Based Purification and Depletion of Human Hematopoietic Stem Cells: Implications for Pre-Transplant Conditioning. bioRxiv : the preprint server for biology.

Yuan L, et al. (2024) Fatty Acid Oxidation Supports Lymph Node Metastasis of Cervical Cancer via Acetyl-CoA-Mediated Stemness. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(21), e2308422.

Stephan G, et al. (2024) Modulation of GPR133 (ADGRD1) signaling by its intracellular interaction partner extended synaptotagmin 1. Cell reports, 43(5), 114229.

Roth C, et al. (2024) BAG3 regulates cilia homeostasis of glioblastoma via its WW domain. BioFactors (Oxford, England).

Wang Y, et al. (2024) FOSL1 promotes stem cell-like characteristics and anoikis resistance to facilitate tumorigenesis and metastasis in osteosarcoma by targeting SOX2. International journal of molecular medicine, 54(5).

Gao F, et al. (2024) TSP50 facilitates breast cancer stem cell-like properties maintenance and epithelial-mesenchymal transition via PI3K p110 $\beta$  mediated activation of AKT signaling pathway. Journal of experimental & clinical cancer research : CR, 43(1), 201.

Ouyang J, et al. (2024) RANKL/RANK signaling recruits Tregs via the CCL20-CCR6 pathway and promotes stemness and metastasis in colorectal cancer. Cell death & disease, 15(6), 437.

Burban A, et al. (2024) Targeting glioblastoma with a brain-penetrant drug that impairs brain tumor stem cells via NLE1-Notch1 complex. Stem cell reports, 19(11), 1534.

Mansuer M, et al. (2024) Erianin induces ferroptosis in GSCs via REST/LRSAM1 mediated SLC40A1 ubiquitination to overcome TMZ resistance. Cell death & disease, 15(7), 522.

Xu Y, et al. (2024) ZNF397 Deficiency Triggers TET2-Driven Lineage Plasticity and AR-Targeted Therapy Resistance in Prostate Cancer. Cancer discovery, 14(8), 1496.