

# Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

## Marker Enrichment Modeling

RRID:SCR\_022495

Type: Tool

### Proper Citation

Marker Enrichment Modeling (RRID:SCR\_022495)

### Resource Information

**URL:** <https://github.com/JonathanIrish/MEMv3>

**Proper Citation:** Marker Enrichment Modeling (RRID:SCR\_022495)

**Description:** Software tool to calculate enrichment scores. Generates human and machine readable labels that quantify features enriched in sample. Used to identify multiple populations of cells and to compare each population to all of other remaining cells from original sample.

**Abbreviations:** MEM

**Resource Type:** software application, software resource, data analytics software

**Defining Citation:** [DOI:10.1038/nmeth.4149](https://doi.org/10.1038/nmeth.4149)

**Keywords:** Calculate enrichment scores, identify multiple cells populations, compare each population

**Funding:** NCI R25 CA136440;  
NCI F31 CA199993;  
NCI R00 CA143231;  
Vanderbilt Ingram Cancer Center

**Availability:** Free, Available for download, Freely available

**Resource Name:** Marker Enrichment Modeling

**Resource ID:** SCR\_022495

**License URLs:** <https://github.com/JonathanIrish/MEMv3/blob/master/LICENSE.MD>

**Record Creation Time:** 20220616T050139+0000

**Record Last Update:** 20260805T044506+0000

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## Ratings and Alerts

No rating or validation information has been found for Marker Enrichment Modeling.

No alerts have been found for Marker Enrichment Modeling.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Souto EP, et al. (2025) Lineage Tracing and Single-Cell RNA Sequencing Reveal a Common Transcriptional State in Breast Cancer Tumor-Initiating Cells Characterized by IFN/STAT1 Activity. Cancer research, 85(8), 1390.

Lien HE, et al. (2025) Multiplex single-cell profiling of putative cancer stem cell markers ALDH1, SOX9, SOX2, CD44, CD133 and CD15 in endometrial cancer. Molecular oncology, 19(6), 1651.

Rachubinski AL, et al. (2024) JAK inhibition decreases the autoimmune burden in Down syndrome. eLife, 13.