

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

mEmerald-CD9-10

RRID:Addgene_54029

Type: Plasmid

Proper Citation

RRID:Addgene_54029

Plasmid Information

URL: <http://www.addgene.org/54029>

Proper Citation: RRID:Addgene_54029

Insert Name: CD9

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEmerald;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 487; Emission = 509. Localization data: Tetraspanin/Membrane

Plasmid Name: mEmerald-CD9-10

Record Creation Time: 20220422T222316+0000

Record Last Update: 20260815T081636+0000

Ratings and Alerts

No rating or validation information has been found for mEmerald-CD9-10.

No alerts have been found for mEmerald-CD9-10.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Han C, et al. (2026) High-throughput single-vesicle imaging platform for direct extracellular vesicle profiling of human plasma. *Nature communications*, 17(1).

Colombo F, et al. (2025) Exploring the Spatial Limits of Extracellular Vesicles-Mediated Intercellular Communication. *Journal of extracellular vesicles*, 14(11), e70169.

Yaeger JDW, et al. (2025) Cholesterol deficiency directs autophagy-dependent secretion of extracellular vesicles. *bioRxiv : the preprint server for biology*.

Ko SY, et al. (2023) The glycoprotein CD147 defines miRNA-enriched extracellular vesicles that derive from cancer cells. *Journal of extracellular vesicles*, 12(4), e12318.

Kim HK, et al. (2022) Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARS-CoV-2 infection. *Journal of extracellular vesicles*, 11(1), e12179.

Clayton K, et al. (2021) Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. *Molecular neurodegeneration*, 16(1), 18.

Troyer Z, et al. (2021) Extracellular vesicles carry SARS-CoV-2 spike protein and serve as decoys for neutralizing antibodies. *Journal of extracellular vesicles*, 10(8), e12112.

Yokoi A, et al. (2019) Mechanisms of nuclear content loading to exosomes. *Science advances*, 5(11), eaax8849.

Schiller LT, et al. (2018) Enhanced Production of Exosome-Associated AAV by Overexpression of the Tetraspanin CD9. *Molecular therapy. Methods & clinical development*, 9, 278.

Barker KO, et al. (2018) The Impact of the CD9 Tetraspanin on Lentivirus Infectivity and Exosome Secretion. *Molecular therapy : the journal of the American Society of Gene Therapy*, 26(2), 634.