

Resource Summary Report

Generated by SPARC SAWG on Aug 18, 2026

Mouse VEGFR2/KDR/Flk-1 Antibody

RRID:AB_355500

Type: Antibody

Proper Citation

R and D Systems Cat# AF644, RRID:AB_355500

Antibody Information

URL: http://antibodyregistry.org/AB_355500

Proper Citation: R and D Systems Cat# AF644, RRID:AB_355500

Target Antigen: VEGFR2/KDR/Flk-1

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Flow Cytometry, Immunohistochemistry, Neutralization, CyTOF-ready

Antibody Name: Mouse VEGFR2/KDR/Flk-1 Antibody

Description: This polyclonal targets VEGFR2/KDR/Flk-1

Target Organism: Mouse

Antibody ID: AB_355500

Vendor: R and D Systems

Catalog Number: AF644

Alternative Catalog Numbers: AF644-SP

Record Creation Time: 20250820T003725+0000

Record Last Update: 20250820T084542+0000

Ratings and Alerts

- Used for cryosectioning by the Human Islet Research Network community.
Contact(s): [Rita Bottino](#), [Marcela Brissova](#), [David Harlan](#), [Greg Poffenberger](#), [Al Powers](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Mouse VEGFR2/KDR/Flk-1 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Lin L, et al. (2026) A single-cell time-series atlas of endothelial cell embryonic development. *Cell*, 189(5), 1573.

Wetterwald L, et al. (2026) MYCT1-IFITM2/3 interaction links endothelial endolysosomal trafficking to white adipose tissue expansion. *The Journal of experimental medicine*, 223(5).

Dause TJ, et al. (2025) Intracrine VEGF Signaling Is Required for Adult Hippocampal Neural Stem Cell Maintenance and Vascular Proximity. *Molecular neurobiology*, 62(8), 9604.

Luckett T, et al. (2024) Mesothelin Secretion by Pancreatic Cancer Cells Co-opts Macrophages and Promotes Metastasis. *Cancer research*, 84(4), 527.

Dause TJ, et al. (2024) Autocrine VEGF drives neural stem cell proximity to the adult hippocampus vascular niche. *Life science alliance*, 7(7).

Kumar S, et al. (2024) Development of pial collaterals by extension of pre-existing artery tips. *Cell reports*, 43(10), 114771.

Jannaway M, et al. (2023) VEGFR3 is required for button junction formation in lymphatic vessels. *Cell reports*, 42(7), 112777.

Banerjee K, et al. (2023) VEGF-C-expressing TAMs rewire the metastatic fate of breast cancer cells. *Cell reports*, 42(12), 113507.

Arolkar G, et al. (2023) Dedifferentiation and Proliferation of Artery Endothelial Cells Drive Coronary Collateral Development in Mice. *Arteriosclerosis, thrombosis, and vascular biology*, 43(8), 1455.

Wang C, et al. (2023) Smad4-mediated angiogenesis facilitates the beiging of white adipose tissue in mice. *iScience*, 26(3), 106272.

Ignacio A, et al. (2022) Small intestinal resident eosinophils maintain gut homeostasis following microbial colonization. *Immunity*, 55(7), 1250.

Morgani SM, et al. (2021) The transcription factor Rreb1 regulates epithelial architecture, invasiveness, and vasculogenesis in early mouse embryos. *eLife*, 10.

Utz SG, et al. (2020) Early Fate Defines Microglia and Non-parenchymal Brain Macrophage Development. *Cell*, 181(3), 557.

Schimmel L, et al. (2020) c-Src controls stability of sprouting blood vessels in the developing retina independently of cell-cell adhesion through focal adhesion assembly. *Development (Cambridge, England)*, 147(7).

Wang YX, et al. (2019) EGFR-Aurka Signaling Rescues Polarity and Regeneration Defects in Dystrophin-Deficient Muscle Stem Cells by Increasing Asymmetric Divisions. *Cell stem cell*, 24(3), 419.

Morales-Navarrete H, et al. (2019) Liquid-crystal organization of liver tissue. *eLife*, 8.

Hendrikx S, et al. (2019) Endothelial Calcineurin Signaling Restrains Metastatic Outgrowth by Regulating Bmp2. *Cell reports*, 26(5), 1227.

Luck R, et al. (2019) VEGF/VEGFR2 signaling regulates hippocampal axon branching during development. *eLife*, 8.

Testini C, et al. (2019) Myc-dependent endothelial proliferation is controlled by phosphotyrosine 1212 in VEGF receptor-2. *EMBO reports*, 20(11), e47845.

Duc D, et al. (2019) Disrupting Myelin-Specific Th17 Cell Gut Homing Confers Protection in an Adoptive Transfer Experimental Autoimmune Encephalomyelitis. *Cell reports*, 29(2), 378.