

# Resource Summary Report

Generated by [dkNET](#) on Aug 12, 2026

## Mouse VEGFR2/KDR/Flk-1 Antibody

RRID:AB\_355500

Type: Antibody

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### Proper Citation

R and D Systems Cat# AF644, RRID:AB\_355500

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_355500](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:** 20250819T234526+0000

**Record Last Update:** 20250820T061915+0000

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### 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.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 23 mentions in open access literature.

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

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).

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

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.