

Resource Summary Report

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Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse

RRID:AB_476977

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# F3777, RRID:AB_476977

Antibody Information

URL: http://antibodyregistry.org/AB_476977

Proper Citation: Sigma-Aldrich Cat# F3777, RRID:AB_476977

Target Antigen: Actin, ?-Smooth Muscle

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: immunohistochemistry (formalin-fixed, paraffin-embedded sections)

Antibody Name: Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse

Description: This monoclonal targets Actin, ?-Smooth Muscle

Target Organism: chicken, rat, snake, canine, goat, mouse, frog, rabbit, bovine, human, sheep

Clone ID: Clone 1A4

Antibody ID: AB_476977

Vendor: Sigma-Aldrich

Catalog Number: F3777

Record Creation Time: 20250820T010835+0000

Record Last Update: 20250820T100836+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 91 mentions in open access literature.

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

Yadav S, et al. (2026) A triple-node heart-brain neuroimmune loop underlying myocardial infarction. *Cell*, 189(3), 800.

Choi T, et al. (2026) 3D imaging with enhanced transparency, signal-to-background ratios, and antigen detection using HyPer-3D. *Cell reports methods*, 6(4), 101375.

Luna G, et al. (2026) MYRF controls mesothelium specification, signaling, and plasticity in lung development. *Developmental cell*, 61(3), 536.

Lu Y, et al. (2026) Smooth muscle cells transiently acquire a CD34+ progenitor state upon injury to drive pathological vascular remodeling. *Cell stem cell*, 33(6), 964.

Lu T, et al. (2026) Dysplastic epithelial repair promotes the tissue residence of lymphocytes to inhibit alveolar regeneration post viral infection. *Cell stem cell*, 33(1), 108.

Mariancini A, et al. (2026) IL1R2 Deficiency Unleashes Neutrophil-Mediated Antitumor Potential in Sarcoma. *Cancer immunology research*, 14(5), 751.

Khadim A, et al. (2025) Protocol for the generation and immunostaining of thick murine lung tissue slices. *STAR protocols*, 6(3), 104034.

Qiu D, et al. (2025) Dectin-1 facilitates lung fungal-mediated pulmonary fibrosis. *Immunity*, 58(7), 1811.

Gao H, et al. (2025) Bio-orthogonal tuning of matrix properties during 3D cell culture to induce morphological and phenotypic changes. *Nature protocols*, 20(3), 727.

Krolak T, et al. (2025) Brain endothelial gap junction coupling enables rapid vasodilation propagation during neurovascular coupling. *Cell*, 188(18), 5003.

Lu Z, et al. (2025) Cardiac mural cells are rate-limiting for coronary vascularization after heart injury. *iScience*, 28(10), 113536.

Liu L, et al. (2025) TWEAK-Fn14 signaling protects mice from pulmonary fibrosis by inhibiting fibroblast activation and recruiting pro-regenerative macrophages. *Cell reports*, 44(2), 115220.

Khadim A, et al. (2025) Myofibroblasts emerge during alveolar regeneration following influenza-virus-induced lung injury. *Cell reports*, 44(2), 115248.

Birnhuber A, et al. (2025) Pulmonary vascular remodeling in Fra-2 transgenic mice is driven by type 2 inflammation and accompanied by pulmonary vascular hyperresponsiveness. *American journal of physiology. Lung cellular and molecular physiology*, 328(3), L413.

Yasuda E, et al. (2025) Potential mechanisms for chorioamniotic membrane rupture after subchorionic hematoma. *American journal of obstetrics and gynecology*, 233(2), 125.e1.

Fernández-Eulate G, et al. (2025) Generation of three human induced pluripotent stem cell (hiPSC) lines from patients with Late-Onset Tay-Sachs disease (HEXA-related adult-onset GM2-gangliosidosis). *Stem cell research*, 87, 103801.

Baas JD, et al. (2025) Distinct cAMP Regulation in Scleroderma Lung and Skin Myofibroblasts Governs Their Dedifferentiation via p38? Inhibition. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(12), e70762.

Foote AG, et al. (2025) Cellular heterogeneity and patterning strategies as revealed by upper respiratory epithelium single cell atlas. *iScience*, 28(7), 112845.

Costa RM, et al. (2024) In utero exposure to maternal diabetes exacerbates dietary sodium intake-induced endothelial dysfunction by activating cyclooxygenase 2-derived prostanoids. *American journal of physiology. Endocrinology and metabolism*, 326(5), E555.

Hamacher C, et al. (2024) A revised conceptual framework for mouse vomeronasal pumping and stimulus sampling. *Current biology : CB*, 34(6), 1206.