

Resource Summary Report

Generated by [RRID](#) on Sep 10, 2026

Mouse Anti-alpha smooth muscle Actin BSA and Azide Free Monoclonal Antibody, Unconjugated, Clone 1A4 ; also known as asm-1

RRID:AB_2223019

Type: Antibody

Proper Citation

Abcam Cat# ab76549, RRID:AB_2223019

Antibody Information

URL: http://antibodyregistry.org/AB_2223019

Proper Citation: Abcam Cat# ab76549, RRID:AB_2223019

Target Antigen: alpha smooth muscle Actin

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Immunocytochemistry/Immunofluorescence, Immunohistochemistry-P

Antibody Name: Mouse Anti-alpha smooth muscle Actin BSA and Azide Free Monoclonal Antibody, Unconjugated, Clone 1A4 ; also known as asm-1

Description: This monoclonal targets alpha smooth muscle Actin

Target Organism: chicken, chickenavian, rat, simian, baboon, mouse, rabbit, bovine, human

Clone ID: Clone 1A4 ; also known as asm-1

Antibody ID: AB_2223019

Vendor: Abcam

Catalog Number: ab76549

Record Creation Time: 20231110T053108+0000

Ratings and Alerts

- Used for cytometry time of flight assay by the Human Islet Research Network community. Contact(s): [Clive Wasserfall](#), [Irina Kusmartseva](#), [Harry Nick](#), [Fabrizio Thorel](#), [Pedro Herrera](#), [Mark Atkinson](#), [Bernd Bodenmiller](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Mouse Anti-alpha smooth muscle Actin BSA and Azide Free Monoclonal Antibody, Unconjugated, Clone 1A4 ; also known as asm-1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Phillips PL, et al. (2025) Porphyromonas gingivalis Type 9 Secretion System Promotes Dysregulation of Vascular Smooth Muscle Cell Plasticity With Perturbed TGF- β /Smad Signaling. MicrobiologyOpen, 14(5), e70044.

Phillips PL, et al. (2022) Differential affinity chromatography reveals a link between Porphyromonas gingivalis-induced changes in vascular smooth muscle cell differentiation and the type 9 secretion system. Frontiers in cellular and infection microbiology, 12, 983247.

Damond N, et al. (2019) A Map of Human Type 1 Diabetes Progression by Imaging Mass Cytometry. Cell metabolism, 29(3), 755.

Schulz D, et al. (2018) Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry. Cell systems, 6(1), 25.