

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 29, 2025

Ryanodine Receptor Monoclonal Antibody (C3-33)

RRID:AB_2183054

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# MA3-916, RRID:AB_2183054)

Antibody Information

URL: http://antibodyregistry.org/AB_2183054

Proper Citation: (Thermo Fisher Scientific Cat# MA3-916, RRID:AB_2183054)

Target Antigen: Ryanodine Receptor

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: WB (1 µg/mL), ICC/IF (1:50), IP (Assay-dependent), IHC (F) (1 µg/mL), IHC (P) (1 µg/mL), Flow (Assay-dependent)

Antibody Name: Ryanodine Receptor Monoclonal Antibody (C3-33)

Description: This monoclonal targets Ryanodine Receptor

Target Organism: Human, Rat, Rabbit, Canine, Guinea Pig, Mouse, Fish, Chicken, Amphibian

Clone ID: Clone C3-33

Defining Citation:

[PMID:12904295](#), [PMID:20858446](#), [PMID:16809425](#), [PMID:23873796](#), [PMID:27096943](#),
[PMID:21385843](#), [PMID:9837897](#), [PMID:18313230](#), [PMID:10973964](#), [PMID:9187309](#),
[PMID:24928680](#), [PMID:11590243](#), [PMID:10888663](#), [PMID:10423427](#), [PMID:22280358](#),
[PMID:23454728](#), [PMID:22185592](#), [PMID:16891657](#), [PMID:23116444](#), [PMID:11390346](#),
[PMID:20122173](#), [PMID:17557789](#), [PMID:11694504](#), [PMID:12739153](#), [PMID:9831705](#),
[PMID:21098440](#), [PMID:23404999](#), [PMID:17630346](#), [PMID:20530114](#), [PMID:21408028](#),
[PMID:19899956](#), [PMID:24778430](#), [PMID:12089338](#), [PMID:16401775](#), [PMID:21282625](#),
[PMID:11723243](#), [PMID:10899057](#), [PMID:21555709](#), [PMID:10892655](#), [PMID:26103619](#),
[PMID:22934044](#), [PMID:24389341](#), [PMID:17627991](#), [PMID:22070199](#), [PMID:22867515](#),
[PMID:15980179](#), [PMID:21763413](#), [PMID:8294409](#), [PMID:19959778](#), [PMID:23709598](#),
[PMID:25536181](#), [PMID:24576293](#), [PMID:14982994](#), [PMID:12456488](#), [PMID:27222313](#),
[PMID:17404231](#), [PMID:18055509](#), [PMID:8159742](#), [PMID:25389315](#), [PMID:23540699](#),
[PMID:23316064](#), [PMID:23019291](#), [PMID:15623787](#), [PMID:20018773](#), [PMID:26457758](#),
[PMID:17012351](#), [PMID:18583715](#), [PMID:20472646](#), [PMID:17848521](#), [PMID:10807737](#),
[PMID:24743743](#), [PMID:16603500](#), [PMID:20018372](#), [PMID:11399650](#), [PMID:18586264](#),
[PMID:24444142](#), [PMID:24828645](#), [PMID:16931553](#), [PMID:11427530](#), [PMID:22355118](#),
[PMID:15731460](#), [PMID:21612318](#), [PMID:14556649](#), [PMID:22040806](#), [PMID:18005065](#),
[PMID:25814438](#), [PMID:23895152](#), [PMID:22472319](#), [PMID:14654369](#), [PMID:15947247](#),
[PMID:15894801](#), [PMID:20045003](#), [PMID:21056571](#), [PMID:1334409](#), [PMID:20471962](#),
[PMID:17030629](#), [PMID:20736958](#), [PMID:8943945](#), [PMID:14963485](#), [PMID:12829653](#),
[PMID:20028694](#), [PMID:10825439](#), [PMID:26519028](#), [PMID:21291889](#), [PMID:24633551](#),
[PMID:7744771](#), [PMID:9625874](#), [PMID:12740215](#), [PMID:16373600](#), [PMID:19139064](#),
[PMID:26335304](#), [PMID:23812383](#), [PMID:25806000](#), [PMID:20936328](#), [PMID:22366318](#),
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[PMID:17466935](#), [PMID:24747296](#), [PMID:9679148](#), [PMID:16840718](#), [PMID:17122195](#),
[PMID:20226167](#), [PMID:15654019](#), [PMID:22174035](#), [PMID:7730403](#), [PMID:23195072](#),
[PMID:15044459](#), [PMID:19707881](#), [PMID:21655189](#), [PMID:19478858](#), [PMID:22561103](#),
[PMID:21076497](#), [PMID:19525383](#), [PMID:11738132](#), [PMID:20643651](#), [PMID:18790739](#),
[PMID:22007848](#), [PMID:12810060](#), [PMID:1325114](#)

Antibody ID: AB_2183054

Vendor: Thermo Fisher Scientific

Catalog Number: MA3-916

Record Creation Time: 20241130T060411+0000

Record Last Update: 20250416T095721+0000

Ratings and Alerts

No rating or validation information has been found for Ryanodine Receptor Monoclonal Antibody (C3-33).

No alerts have been found for Ryanodine Receptor Monoclonal Antibody (C3-33).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Fjaervoll HK, et al. (2024) Purinergic agonists increase $[Ca^{2+}]_i$ in rat conjunctival goblet cells through ryanodine receptor type 3. American journal of physiology. Cell physiology, 327(3), C830.

Fan Y, et al. (2024) The adipose-neural axis is involved in epicardial adipose tissue-related cardiac arrhythmias. Cell reports. Medicine, 5(5), 101559.

Manfra O, et al. (2023) Augmenting workload drives T-tubule assembly in developing cardiomyocytes. The Journal of physiology.

Krishnan V, et al. (2022) STIM1-dependent peripheral coupling governs the contractility of vascular smooth muscle cells. eLife, 11.

Filomena MC, et al. (2021) Myopalladin knockout mice develop cardiac dilation and show a maladaptive response to mechanical pressure overload. eLife, 10.

Hamilton S, et al. (2020) PKA phosphorylation underlies functional recruitment of sarcolemmal SK2 channels in ventricular myocytes from hypertrophic hearts. The Journal of physiology, 598(14), 2847.

Lipsett DB, et al. (2019) Cardiomyocyte substructure reverts to an immature phenotype during heart failure. The Journal of physiology, 597(7), 1833.

Morgenstern TJ, et al. (2019) A potent voltage-gated calcium channel inhibitor engineered from a nanobody targeted to auxiliary CaV β subunits. eLife, 8.

Kolstad TR, et al. (2018) Ryanodine receptor dispersion disrupts Ca^{2+} release in failing cardiac myocytes. eLife, 7.

Gao X, et al. (2013) Molecular mechanisms underlying the rapid arrhythmogenic action of bisphenol A in female rat hearts. Endocrinology, 154(12), 4607.

Jayasinghe ID, et al. (2010) A new twist in cardiac muscle: dislocated and helicoid arrangements of myofibrillar z-disks in mammalian ventricular myocytes. Journal of molecular and cellular cardiology, 48(5), 964.

Chen-Izu Y, et al. (2006) Three-dimensional distribution of ryanodine receptor clusters in cardiac myocytes. *Biophysical journal*, 91(1), 1.

Scriven DR, et al. (2005) Caveolin-3 is adjacent to a group of extradyadic ryanodine receptors. *Biophysical journal*, 89(3), 1893.

Hwang SY, et al. (2003) Differential functional interaction of two Vesl/Homer protein isoforms with ryanodine receptor type 1: a novel mechanism for control of intracellular calcium signaling. *Cell calcium*, 34(2), 177.

Bhat MB, et al. (1999) Expression and functional characterization of the cardiac muscle ryanodine receptor Ca^{2+} release channel in Chinese hamster ovary cells. *Biophysical journal*, 77(2), 808.