# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 30, 2025

## Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405

RRID:AB_221604
Type: Antibody

### Proper Citation

(Thermo Fisher Scientific Cat# A-31553, RRID:AB_221604)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_221604

**Proper Citation:** (Thermo Fisher Scientific Cat# A-31553, RRID:AB_221604)

**Target Antigen:** Mouse IgG (H+L)

**Host Organism:** goat

**Clonality:** polyclonal secondary

**Comments:** Applications: Flow (1-10 µg/mL), ICC/IF (1-10 µg/mL), IHC (1-10 µg/mL) This product offered by Molecular Probes (Invitrogen), now part of Thermo Fisher Consolidation on 6/2023: AB_10051818

**Antibody Name:** Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405

**Description:** This polyclonal secondary targets Mouse IgG (H+L)

**Target Organism:** mouse

**Defining Citation:** PMID:25915120, PMID:27956640, PMID:26264132, PMID:17003134, PMID:19808674, PMID:24500276, PMID:19903823, PMID:17389390, PMID:17371830, PMID:15933071

**Antibody ID:** AB_221604

**Vendor:** Thermo Fisher Scientific

**Catalog Number:** A-31553

**Record Creation Time:** 20241130T060322+0000

**Record Last Update:** 20241130T060528+0000

## Ratings and Alerts

No rating or validation information has been found for Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405.

Warning: Discontinued at Molecular Probes
Applications: Flow (1-10 µg/mL), ICC/IF (1-10 µg/mL), IHC (1-10 µg/mL)
This product offered by Molecular Probes (Invitrogen), now part of Thermo Fisher
Consolidation on 6/2023: AB_10051818

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 114 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Koppers M, et al. (2024) Axonal endoplasmic reticulum tubules control local translation via P180/RRBP1-mediated ribosome interactions. Developmental cell, 59(16), 2053.

Liu D, et al. (2024) An Ascending Excitatory Circuit from the Dorsal Raphe for Sensory Modulation of Pain. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(4).

Donovan EJ, et al. (2024) Dendrite architecture determines mitochondrial distribution patterns in vivo. Cell reports, 43(5), 114190.

Koyanagi M, et al. (2024) Development of a 3-dimensional organotypic model with characteristics of peripheral sensory nerves. Cell reports methods, 4(8), 100835.

Gratio V, et al. (2024) Pharmacodynamics of the orexin type 1 (OX1) receptor in colon cancer cell models: A two-sided nature of antagonistic ligands resulting from partial dissociation of Gq. British journal of pharmacology.

Köhler AR, et al. (2024) Modular dual-color BiAD sensors for locus-specific readout of

epigenome modifications in single cells. Cell reports methods, 4(4), 100739.

Rosa-Birriel C, et al. (2024) Medioapical contractile pulses coordinated between cells regulate Drosophila eye morphogenesis. The Journal of cell biology, 223(2).

Liu M, et al. (2024) Kidney organoid models reveal cilium-autophagy metabolic axis as a therapeutic target for PKD both in vitro and in vivo. Cell stem cell, 31(1), 52.

Sagi D, et al. (2024) Single-Cell Profiling Uncovers Evolutionary Divergence of Hypocretin/Orexin Neuronal Subpopulations. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(36).

Ananth S, et al. (2024) Spatial resolution of HIV-1 post-entry steps in resting CD4 T cells. Cell reports, 43(3), 113941.

Bittel AJ, et al. (2024) Voluntary wheel running improves molecular and functional deficits in a murine model of facioscapulohumeral muscular dystrophy. iScience, 27(1), 108632.

Cheng A, et al. (2024) Pharmacological inhibition of FABP7 by MF 6 counteracts cerebellum dysfunction in an experimental multiple system atrophy mouse model. Acta pharmacologica Sinica, 45(1), 66.

Huo J, et al. (2023) MCUb is an inducible regulator of calcium-dependent mitochondrial metabolism and substrate utilization in muscle. Cell reports, 42(11), 113465.

Gerace D, et al. (2023) Engineering human stem cell-derived islets to evade immune rejection and promote localized immune tolerance. Cell reports. Medicine, 4(1), 100879.

Le Guerroué F, et al. (2023) TNIP1 inhibits selective autophagy via bipartite interaction with LC3/GABARAP and TAX1BP1. Molecular cell, 83(6), 927.

Guan F, et al. (2023) GSDMA3 deficiency reprograms cellular metabolism and modulates BCR signaling in murine B cells. iScience, 26(8), 107341.

Andres-Alonso M, et al. (2023) Golgi satellites are essential for polysialylation of NCAM and expression of LTP at distal synapses. Cell reports, 42(7), 112692.

Jun YW, et al. (2023) Non-muscle MYH10/myosin IIB recruits ESCRT-III to participate in autophagosome closure to maintain neuronal homeostasis. Autophagy, 19(7), 2045.

Liu HW, et al. (2023) Bilirubin gates the TRPM2 channel as a direct agonist to exacerbate ischemic brain damage. Neuron, 111(10), 1609.

Wei JA, et al. (2023) Physical exercise modulates the microglial complement pathway in mice to relieve cortical circuitry deficits induced by mutant human TDP-43. Cell reports, 42(3), 112240.