

# Resource Summary Report

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## Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate

RRID:SCR\_014365

Type: Tool

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### Proper Citation

Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate  
(RRID:SCR\_014365)

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### Resource Information

**URL:** <https://www.thermofisher.com/order/catalog/product/I32450>

**Proper Citation:** Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate  
(RRID:SCR\_014365)

**Description:** A conjugated form of isolectin B4 for fluorescence identification of non-peptidergic nociceptors in mouse dorsal root ganglia and spinal cord.

**Keywords:** isolectin, marker, fluorescence identification, glycoprotein, mouse dorsal root ganglia, mouse spinal cord

**Funding:**

**Availability:** Commercial product, Pay for product, For research purposes only

**Resource Name:** Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate

**Resource ID:** SCR\_014365

**License URLs:** <https://www.thermofisher.com/us/en/home/global/terms-and-conditions.html>

**Record Creation Time:** 20220129T080320+0000

**Record Last Update:** 20250214T183255+0000

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### Ratings and Alerts

No rating or validation information has been found for Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate.

No alerts have been found for Isolectin GS-IB4 From Griffonia simplicifolia, Alexa Fluor 647 Conjugate.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Albisetti GW, et al. (2023) Inhibitory Kcnip2 neurons of the spinal dorsal horn control behavioral sensitivity to environmental cold. *Neuron*, 111(1), 92.

Zhang L, et al. (2023) A Frizzled4-LRP5 agonist promotes blood-retina barrier function by inducing a Norrin-like transcriptional response. *iScience*, 26(8), 107415.

Meltzer S, et al. (2023) ?-Protocadherins control synapse formation and peripheral branching of touch sensory neurons. *Neuron*, 111(11), 1776.

Koutsoumpa C, et al. (2023) Skin-type-dependent development of murine mechanosensory neurons. *Developmental cell*, 58(20), 2032.

Villarino NW, et al. (2023) Labeling PIEZO2 activity in the peripheral nervous system. *Neuron*, 111(16), 2488.

Patil MJ, et al. (2023) A Novel Flp Reporter Mouse Shows That TRPA1 Expression Is Largely Limited to Sensory Neuron Subsets. *eNeuro*, 10(12).

Vieira JR, et al. (2022) Endothelial PlexinD1 signaling instructs spinal cord vascularization and motor neuron development. *Neuron*, 110(24), 4074.

Rochon PL, et al. (2021) The cell adhesion molecule Sdk1 shapes assembly of a retinal circuit that detects localized edges. *eLife*, 10.

Kirschnick N, et al. (2021) Rapid methods for the evaluation of fluorescent reporters in tissue clearing and the segmentation of large vascular structures. *iScience*, 24(6), 102650.

Ninchoji T, et al. (2021) eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin. *eLife*, 10.

Penna E, et al. (2021) Development of the Neuro-Immune-Vascular Plexus in the Ventricular

Zone of the Prenatal Rat Neocortex. *Cerebral cortex* (New York, N.Y. : 1991), 31(4), 2139.

Richards M, et al. (2021) Intra-vessel heterogeneity establishes enhanced sites of macromolecular leakage downstream of laminin  $\gamma$ 5. *Cell reports*, 35(12), 109268.

DuBreuil DM, et al. (2021) Heat But Not Mechanical Hypersensitivity Depends on Voltage-Gated CaV2.2 Calcium Channel Activity in Peripheral Axon Terminals Innervating Skin. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(36), 7546.

Smith RO, et al. (2020) Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. *eLife*, 9.

Zimmerman AL, et al. (2019) Distinct Modes of Presynaptic Inhibition of Cutaneous Afferents and Their Functions in Behavior. *Neuron*, 102(2), 420.

Padilla-Coreano N, et al. (2019) Hippocampal-Prefrontal Theta Transmission Regulates Avoidance Behavior. *Neuron*, 104(3), 601.

Zheng Y, et al. (2019) Deep Sequencing of Somatosensory Neurons Reveals Molecular Determinants of Intrinsic Physiological Properties. *Neuron*, 103(4), 598.

Albisetti GW, et al. (2019) Dorsal Horn Gastrin-Releasing Peptide Expressing Neurons Transmit Spinal Itch But Not Pain Signals. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(12), 2238.

Miake J, et al. (2017) Cited4 is related to cardiogenic induction and maintenance of proliferation capacity of embryonic stem cell-derived cardiomyocytes during in vitro cardiogenesis. *PloS one*, 12(8), e0183225.

Biesecker KR, et al. (2016) Glial Cell Calcium Signaling Mediates Capillary Regulation of Blood Flow in the Retina. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(36), 9435.