

## Anti-DISC1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PA2023-Fluoro550

### About DISC1

DISC1 (Disrupted in Schizophrenia 1), is a protein that is encoded by the DISC1 gene in humans. Ma et al. (2002) determined that the mouse Disc1 gene maps to chromosome 8 in a region with homology of synteny to human chromosome 1q42. Ozeki et al. (2003) demonstrated that rodent Disc1 expression displayed pronounced developmental regulation, with the highest levels in late embryonic life during development of the cerebral cortex. Millar et al. (2005) showed that DISC1 interacts with the UCR2 domain of phosphodiesterase-4B, implicated in susceptibility to schizophrenia, and that elevation of cellular cAMP leads to dissociation of PDE4B from DISC1 and in increase in PDE4B activity.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-DISC1 Antibody Picoband® Fluoro550 Conjugated   |
| Reactive Species     | Human  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q9NRI5   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthetic peptide corresponding to a sequence at the N-terminus of human DISC1. |
| Cross Reactivity    | No cross-reactivity with other proteins   |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro550<br>Excitation Wavelength: 562 nm<br>Emission Wavelength: 576 nm         |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.              |

## 2 Publications Citing This Product

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1. PubMed ID: 10.4049/jimmunol.1600180, Dynein Separately Partners with NDE1 and Dynactin To Orchestrate T Cell Focused Secretion
2. PubMed ID: 32482796, Maskalenko N, Nath S, Ramakrishnan A, Anikeeva N, Sykulev Y, Poenie M. The DISC1-Girdin complex - a missing link in signaling to the T cell cytoskeleton. J Cell Sci. 2020 Jul 6; 133(13):jcs242875. doi:10.1242/jcs.242875. PMID:32482796; PMCID:PMC7358132.

Visit [bosterbio.com/anti-disc1-antibody-pa2023-boster.html](https://bosterbio.com/anti-disc1-antibody-pa2023-boster.html) to see all 2 publications.

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