

Anti-Human Galanin-148Nd

Catalog: 3148016B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human,

Clone: 581403

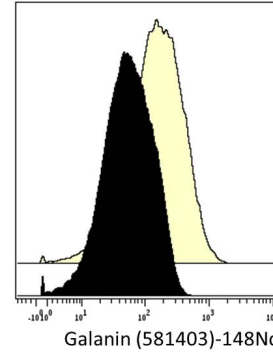
Isotype: IgG2b

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human U-87 MG cells (top) and human PBMCs (bottom) were fixed, permeabilized, and stained with 148Nd-anti-Galanin (581403). Total viable cells are displayed in analysis.

Description

Galanin (Glycine-Alanine, representing the N- and C-terminal amino acids in bovine Galanin), also known as GAL, is neuropeptide that is widely expressed in brain, spinal cord, and gut of humans as well as other mammals. Galanin functions as a cellular messenger within the central and peripheral nervous systems, modulating diverse physiologic functions. Galanin signaling occurs through binding to one of three GPCRs (G protein-coupled receptors). GalR1 blocks insulin secretion, GalR2 initiates neurogenesis and GalR3 influences addictive behavior.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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EMAIL

United States support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com

Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com

All other countries techsupport@fluidigm.com

PHONE

United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40

Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368

All other countries +1 650 266 6100

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