

Product Datasheet

Anti-RGS14 Antibody FL594 Conjugate

NeuroMab



KO Validated

Overview

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|---------------------------|---|
| Catalog # | 75-170-FL594 |
| Conjugate | FL594 Ex: 594 nm, Em: 615 nm |
| Isotype | IgG2a |
| Clone Number | N133/21 |
| Size | 200 μ L |
| Concentration | 0.5 mg/mL |
| Host Species | Mouse Monoclonal |
| Format | Purified by Protein A chromatography |
| Buffer | PBS with 0.09% azide |
| Applications | ICC, IHC |
| Species Reactivity | Mouse and Rat |
| Immunogen | Fusion protein amino acids 1-544 (full-length) of rat RGS14 (accession number O08773) produced recombinantly in E. Coli |
| Molecular Weight | 60 kDa |
| Cite this Antibody | Antibodies Inc Cat# 75-170-FL594, RRID: AB_2939626 |

Details

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| Target Description | RGS14 is a member of the RGS family (regulator of G-protein signaling) and is highly expressed in the prefrontal cortex. Hallmark domains of RGS14 include a RGS domain, two Raf-like Ras-binding domains and a GoLoco motif. RGS14 inactivates G protein α subunits. Alterations in this protein have been implicated in Schizophrenia and Alzheimer's disease. |
| Specificity | Does not react with RGS12 |
| Purification Method | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody. |
| Quality Control Tests | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |
| Storage | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap. |

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