

Product Datasheet

Anti-Gs Protein, Alpha Subunit Antibody FL650 Conjugate



Overview

Catalog #	75-211-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone Number	N192/12
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
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 1-380 (full-length, short form) of bovine Gs protein alpha subunit (accession number P04896-2) produced recombinantly in E. Coli
Molecular Weight	45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-211-FL650, RRID: AB_2939783

Details

Target Description	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short or Gs protein α subunit is encoded by the gene GNAS. Gs α is one of three subunits that make up a guanine nucleotide binding protein (Gprotein). The other proteins are a beta and a gamma subunit. G proteins are further divided into families depending on the type of α subunit included, G(S)alpha,G(Q)alpha,G(I)alpha,and G(12)alpha. Gs α functions as a transducer of numerous signaling pathways that are controlled by g protein coupled receptors (GPCRs) by coupling receptors to adenylyl cyclase and results in increased levels of the signaling molecule cAMP. Diseases associated with GNAS include Mccune-Albright Syndrome and Progressive Osseous Heteroplasia.
Specificity	Reacts with both Active and Inactive/QL forms
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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.