

## Product Datasheet

## Anti-Gs Protein, Alpha Subunit Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-211-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N192/12
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	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
<b>Molecular Weight</b>	45 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-211-FL550, RRID: AB_2939781

## Details

<b>Target Description</b>	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short or Gs protein $\alpha$ subunit is encoded by the gene GNAS. Gs $\alpha$ 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 $\alpha$ subunit included, G(S)alpha,G(Q)alpha,G(I)alpha,and G(12)alpha. Gs $\alpha$ 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.
<b>Specificity</b>	Reacts with both Active and Inactive/QL forms
<b>Purification Method</b>	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**

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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.

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