

## Product Datasheet

## Anti-SNAT1 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-155-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N104/37
<b>Size</b>	200 µL
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-63 (cytoplasmic N-terminus) of rat SNAT1 (accession number Q9JM15) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-155-FL594, RRID: AB_2939574

## Details

<b>Target Description</b>	Sodium-coupled neutral amino acid transporter 1 (SNAT1) or Solute Carrier Family 38 Member 1 is encoded by the gene Slc38a1 and belongs to the amino acid/polyamine transporter 2 family. SNAT1 acts as a sodium-dependent transporter of glutamine which serves as a precursor for the synaptic transmitter, glutamate. SNAT1 is expressed in brain, specifically at glutamatergic and GABAergic neurons, and also expressed in placenta, heart, lung, skeletal muscle, spleen, stomach and testis. Diseases associated with this gene include Klatskin's Tumor.
<b>Specificity</b>	No cross-reactivity reported
<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.
<b>Quality Control Tests</b>	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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