

## Product Datasheet

## Anti-S100A5 Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-199-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N176/35
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-93 (full-length) of rat S100A (accession number P63083) produced recombinantly in E. Coli
<b>Molecular Weight</b>	10 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-199-FL650, RRID: AB_2939739

## Details

<b>Target Description</b>	Protein S100A5 is encoded by the gene S100A5 and a member of the S100 family of proteins. S100A5 is a calcium-binding cytosolic proteins and is also a member of the damage-associated molecular pattern molecules (DAMPs) family, a group of proteins that are released from the extracellular or intracellular space following tissue injury or cell death. S100A5 is localized in the cytoplasm and implicated in the regulation of a number of cellular processes such as cell cycle progression and extracellular signal transduction. S100A5 has been found in brain and kidney. Diseases associated with this gene include Astrocytoma.
<b>Specificity</b>	Does not cross-react with S100A4 or S100A6 (based on KO validation results)
<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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

**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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