

Product Datasheet

Anti-S100A5 Antibody FL490 Conjugate



Overview

Catalog #	75-199-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N176/35
Size	200 µL
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 1-93 (full-length) of rat S100A (accession number P63083) produced recombinantly in E. Coli
Molecular Weight	10 kDa
Cite this Antibody	Antibodies Inc Cat# 75-199-FL490, RRID: AB_2939736

Details

Target Description	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.
Specificity	Does not cross-react with S100A4 or S100A6 (based on KO validation results)
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 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.

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