

Product Datasheet

Anti-Mortalin/GRP75 Antibody FL490 Conjugate



Overview

Catalog #	75-127-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N52A/42
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, IHC
Species Reactivity	Human, Mouse, Non-Human Primate, and Rat
Immunogen	Identified as off-target mAb in screen for anti-Salm2 NeuroMabs (immunogen was fusion protein amino acids 551-766 of mouse SALM2). Target identified as Mortalin/Grp75 by LC-MS/MS analysis of protein immunopurified from rat brain using N52A/42.
Molecular Weight	75 kDa
Cite this Antibody	Antibodies Inc Cat# 75-127-FL490, RRID: AB_2939472

Details

Target Description	Mitochondrial stress-70 protein or Mortalin/GRP75 is encoded by the gene HSPA9. Mortalin is a chaperone protein and plays a role in cell proliferation, stress response and mitochondria maintenance. It is widely expressed in tissues in mitochondria, endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. Diseases associated with this gene include Even-Plus Syndrome and Sideroblastic Anemia 4.
Specificity	No cross-reactivity reported
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.

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