

## Product Datasheet

## Anti-Mortalin/GRP75 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-127-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N52A/42
<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, IHC
<b>Species Reactivity</b>	Human, Mouse, Non-Human Primate, and Rat
<b>Immunogen</b>	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.
<b>Molecular Weight</b>	75 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-127-FL550, RRID: AB_2939473

## Details

<b>Target Description</b>	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.
<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.

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