

Product Datasheet

Anti-Frataxin Antibody FL550 Conjugate



Overview

Catalog #	75-207-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2b
Clone Number	N191/7
Size	200 μ L
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	Human
Immunogen	Fusion protein amino acids 81-210 (C-terminus) of human Frataxin (accession number Q16595) produced recombinantly in E. Coli
Molecular Weight	25 kDa
Cite this Antibody	Antibodies Inc Cat# 75-207-FL550, RRID: AB_2939769

Details

Target Description	Frataxin is a highly conserved protein found in mitochondria. Frataxin is found many tissues including heart, spinal cord, liver, pancreas, dermal fibroblasts, peripheral blood lymphocytes and skeletal muscles. Frataxin functions as an iron chaperone involved in iron-sulfur biogenesis and heme biosynthesis and plays a role in iron homeostasis. Mutations in the Frataxin gene can result in Friederich ataxia.
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 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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