

## Product Datasheet

## Anti-Frataxin Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-207-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N191/7
<b>Size</b>	200 $\mu$ L
<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>	Human
<b>Immunogen</b>	Fusion protein amino acids 81-210 (C-terminus) of human Frataxin (accession number Q16595) produced recombinantly in E. Coli
<b>Molecular Weight</b>	25 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-207-FL490, RRID: AB_2939768

## Details

<b>Target Description</b>	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.
<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 on cells overexpressing target protein and confirmed to give the expected staining pattern.
<b>Storage</b>	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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