

## Product Datasheet

## Anti-Olig1 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-180-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N149/25
<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>	Mouse
<b>Immunogen</b>	Fusion protein amino acids 1-67 (N-terminus) of mouse Olig1 (accession number Q9JKN5) produced recombinantly in E. Coli
<b>Molecular Weight</b>	30 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-180-FL550, RRID: AB_2939665

## Details

<b>Target Description</b>	Oligodendrocyte transcription factor 1, Basic Domain, Helix-Loop-Helix Protein, Class B, 6 or Class E Basic Helix-Loop-Helix Protein 21 is encoded by the gene Olig1. Olig1 is a transcription factor and a member of the basic helix-loop-helix (bHLH) factor family. Olig1 promotes formation and maturation of oligodendrocytes (oligodendrogenesis). Olig1 is expressed in spinal cord and brain during development, and by oligodendrocytes after late embryonic development. Olig1 is a useful marker for Oligodendrocyte staining. Diseases associated with this gene include Oligodendroglioma and Grade Iii Astrocytoma.
<b>Specificity</b>	No cross-reactivity against Olig2
<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.

**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.

**Our Guarantee**

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