

Product Datasheet

Anti-Olig1 Antibody FL594 Conjugate



Overview

Catalog #	75-180-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N149/25
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	Mouse
Immunogen	Fusion protein amino acids 1-67 (N-terminus) of mouse Olig1 (accession number Q9JKN5) produced recombinantly in E. Coli
Molecular Weight	30 kDa
Cite this Antibody	Antibodies Inc Cat# 75-180-FL594, RRID: AB_2939666

Details

Target Description	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.
Specificity	No cross-reactivity against Olig2
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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