

## Product Datasheet

## Anti-DNMT3L Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-153-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N117/9
<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
<b>Species Reactivity</b>	Human
<b>Immunogen</b>	Fusion protein amino acids 1-387 (full-length) of human DNMT3L (accession number BAA95556) produced recombinantly in E. Coli
<b>Molecular Weight</b>	45 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-153-FL550, RRID: AB_2939565

## Details

<b>Target Description</b>	DNA (cytosine-5)-methyltransferase 3-like or DNMT3L is encoded by the gene DNMT3L. DNMT3L is a nuclear, catalytically inactive, regulatory factor of DNA methyltransferases. DNMT3L mediates transcriptional repression through interaction with histone deacetylase 1. It is thought to be required for the establishment of maternal genomic imprints. DNMT3L is expressed in several tissues including testis, ovary, and thymus. Diseases associated with DNMT3L include Testicular Spermatocytic Seminoma and Immunodeficiency-Centromeric Instability-Facial Anomalies Syndrome.
<b>Specificity</b>	No cross-reactivity against DNMT3A or DNMT3B
<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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