

## Product Datasheet

## Anti-NSD1 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-280-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N312/10
<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 and Mouse
<b>Immunogen</b>	Fusion protein amino acids 2129-2696 (C-terminus) of human NSD1 (accession number Q96L73) produced recombinantly in E. Coli
<b>Molecular Weight</b>	300 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-280-FL550, RRID: AB_2939997

## Details

<b>Target Description</b>	Nuclear Receptor Binding SET Domain Protein 1 is encoded by the gene NSD1. NSD1 is a member of the class V-like SAM-binding methyltransferase superfamily. NSD1 is a histone methyltransferase that is capable of both negatively or positively influencing transcription, depending on the cellular context. NSD1 is expressed in the brain, kidney, spleen, skeletal muscle, thymus, and lung. Diseases associated with NSD1 include Sotos Syndrome 1 and Overgrowth Syndrome.
<b>Specificity</b>	Does not cross-react with NSD2 or NSD3
<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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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