

New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface® Alexa Fluor 488
 Catalog Number: S9129S
 Lot Number: 10018761
 Expiration Date: 08/2021
 Storage Temperature: -20°C
 Specification Version: PS-S9129S v2.0

SNAP-Surface® Alexa Fluor 488 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9129SVIAL	SNAP-Surface® Alexa Fluor® 488	10016573	Pass

Assay Name/Specification	Lot # 10018761
<p>Cellular Protein Labeling (Cell Surface) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 5 μM SNAP-Surface® Alexa Fluor® 488 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.</p>	Pass
<p>Cellular Protein Labeling (Intracellular) Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 μM SNAP-Surface® Alexa Fluor® 488 for 1 hour and visualized by fluorescence microscopy resulting in no intracellular labeling.</p>	Pass
<p>Identity (Mass Spectrometry) The observed molecular mass of SNAP-Surface® Alexa Fluor® 488 is 786.1 Da +/- 1 Da as determined by mass spectrometry analysis.</p>	Pass
<p>In Vitro Protein Labeling A 50 μl reaction in 1X PBS and 1 mM DTT containing 5 μM of SNAP-tag® Purified Protein and a minimum of 10 μM of SNAP-Surface® Alexa Fluor® 488 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.</p>	Pass
<p>Physical Purity (HPLC) SNAP-Surface® Alexa Fluor® 488 is ≥ 90% pure as determined by HPLC analysis.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

Christopher R. Provost

Chris Provost
Production Scientist
02 Oct 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
13 Nov 2018