

New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface[®] 649
Catalog Number: S9159S
Lot Number: 10018152
Expiration Date: 07/2021
Storage Temperature: -20°C
Specification Version: PS-S9159S v2.0

SNAP-Surface[®] 649 Component List

NEB Part Number	Component Description	Lot Number	Individual QC Result
S9159SVIAL	SNAP-Surface [®] 649	10017107	Pass

Assay Name/Specification	Lot # 10018152
<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[®] 649 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[®] 649 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[®] 649 is 1154.3 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[®] 649 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[®] 649 is \geq 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
07 Aug 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
09 Aug 2018