

New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface[®] 488
Catalog Number: S9124S
Lot Number: 10018194
Expiration Date: 08/2021
Storage Temperature: -20°C
Specification Version: PS-S9124S v2.0

SNAP-Surface[®] 488 Component List

NEB Part Number	Component Description	Lot Number	Individual QC Result
S9124SVIAL	SNAP-Surface [®] 488	10018197	Pass

Assay Name/Specification	Lot # 10018194
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 [®] 488 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.	Pass
Cellular Protein Labeling (Intracellular) Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 μM SNAP-Surface [®] 488 for 1 hour and visualized by fluorescence microscopy resulting in no intracellular labeling.	Pass
Identity (Mass Spectrometry) The observed molecular mass of SNAP-Surface [®] 488 is 841.2 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass
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 [®] 488 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
Physical Purity (HPLC) SNAP-Surface [®] 488 is ≥ 90% pure as determined by HPLC analysis.	Pass

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

Christopher R. Provost

Chris Provost
Production Scientist
30 Aug 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
31 Aug 2018