

New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface® Block
Catalog Number: S9143S
Lot Number: 10025004
Expiration Date: 10/2023
Storage Temperature: -20°C
Specification Version: PS-S9143S v2.0

SNAP-Surface® Block Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9143SVIAL	SNAP-Surface Block™	10025056	Pass

Assay Name/Specification	Lot # 10025004
<p>Cellular Protein Labeling (Blocking Assay) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were reacted sequentially with 20 μM SNAP-Surface® Block for 30 minutes and 5 μM SNAP-Surface® 549 for 1 hour resulting in no fluorescence when visualized by fluorescence microscopy.</p>	Pass
<p>Identity (Mass Spectrometry) The observed molecular mass of SNAP-Surface® Block is 313.1 Da +/- 1 Da as determined by mass spectrometry analysis.</p>	Pass
<p>In Vitro Protein Labeling (Blocking Assay) A 50 μl reaction in 1X PBS and 1 mM DTT containing 5 μM of SNAP-tag® Purified Protein and a minimum of 40 μM of SNAP-Surface® Block for 30 minutes followed by 10 μM SNAP-Cell® TMR-Star is incubated for 1 hour at 37°C results in the expected absence of labeled product that is visualized on SDS-PAGE by fluorescent detection.</p>	Pass
<p>Physical Purity (HPLC) SNAP-Surface® Block 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 Nov 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
02 Nov 2018