

New England Biolabs Product Specification

Product Name: SNAP-Surface[®] 549
Catalog #: S9112S
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-S9112S v1.0
Effective Date: 19 Jun 2017

Assay Name/Specification (minimum release criteria)

Cellular Protein Labeling (Cell Surface) - Mammalian cells transfected with pSNAPf-ADR β 2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 5 μ M SNAP-Surface[®] 549 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.

Cellular Protein Labeling (Intracellular) - Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 μ M SNAP-Surface[®] 549 for 1 hour and visualized by fluorescence microscopy resulting in no intracellular labeling.

Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Surface[®] 549 is 1128.3 Da +/- 1 Da as determined by mass spectrometry analysis.

In Vitro Protein Labeling - A 50 μ l reaction in 1X PBS and 1 mM DTT containing 5 μ M of SNAP-tag[®] Purified Protein and a minimum of 10 μ M of SNAP-Surface[®] 549 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.

Physical Purity (HPLC) - SNAP-Surface[®] 549 is \geq 90% pure as determined by HPLC analysis.



Date 19 Jun 2017

Derek Robinson
Director of Quality Control

