

New England Biolabs Product Specification

Product Name: SNAP-Surface[®] Block
Catalog #: S9143S
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-S9143S v1.0
Effective Date: 30 Aug 2017

Assay Name/Specification (minimum release criteria)

Cellular Protein Labeling (Blocking Assay) - Mammalian cells transfected with pSNAPf-ADR β 2 expressing Beta-2 adrenergic receptor (cell surface) were reacted sequentially with 20 μ M SNAP-Surface[®] Block for 30 minutes and 5 μ M SNAP-Surface[®] 549 for 1 hour resulting in no fluorescence when visualized by fluorescence microscopy.

Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Surface[®] Block is 313.1 Da +/- 1 Da as determined by mass spectrometry analysis.

In Vitro Protein Labeling (Blocking Assay) - 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 40 μ M of SNAP-Surface[®] Block for 30 minutes followed by 10 μ M 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.

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



Date 30 Aug 2017

Derek Robinson
Director of Quality Control

