

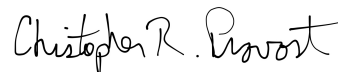
New England Biolabs Certificate of Analysis

Product Name: SNAP-Cell[®] Block
 Catalog #: S9106S
 Lot #: 0121709
 Assay Date: 09/2017
 Expiration Date: 9/2020
 Storage Temp: -20°C
 Specification Version: PS-S9106S v1.0
 Effective Date: 27 Sep 2017

| Assay Name/Specification (minimum release criteria) | Lot #0121709 |
|---|--------------|
| <p>Cellular Protein Labeling (Blocking Assay) - Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were reacted sequentially with 10 μM SNAP-Cell[®] Block for 30 minutes and 5 μM of a SNAP-tag[®] fluorescent substrate for 1 hour resulting in no fluorescence when visualized by fluorescence microscopy.</p> | Pass |
| <p>Cellular Protein Labeling (Blocking Assay) - Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were reacted sequentially with 10 μM SNAP-Cell[®] Block for 30 minutes and 5 μM of a SNAP-tag[®] fluorescent substrate for 1 hour resulting in no fluorescence when visualized by fluorescence microscopy.</p> | Pass |
| <p>Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Cell[®] Block is 337 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 20 μM of SNAP-Cell[®] 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-Cell[®] Block is ≥ 90% pure as determined by HPLC analysis.</p> | Pass |



Authorized by
Derek Robinson
27 Sep 2017



Inspected by
Chris Provost
04 Sep 2017

