

Certificate of Analysis

www.tocris.com

Product Name: CD133-B19, 5'-DY647

Catalog No.: 6104

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂₁H₂₆₃F₁₀N₇₃O₁₃₁P₂₀
Batch Molecular Weight: 6847.32
Physical Appearance: lyophilised film
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 94% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: CD133-B19, 5'-DY647

Catalog No.: 6104

Batch No.: 1

Description:

CD133-B19, 5'-DY647 is a high affinity fluorescently tagged aptamer for CD133 (extracellular domain epitope) (K_d values are 52.3 and 145.1 nM in Hep3B and HT29 cells, respectively). Efficiently internalized upon binding to CD133. Exhibits superior penetration of tumorspheres compared with an antibody to the same target. For optimal binding aptamers require refolding into their tertiary structure prior to use. Please refer to the protocol for information regarding refolding and aptamer use in unfixed cell imaging and flow cytometry. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Batch Molecular Formula: $C_{221}H_{263}F_{10}N_{73}O_{131}P_{20}$

Batch Molecular Weight: 6847.32

Physical Appearance: lyophilised film

Solubility & Usage Info:

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Licensing Information:

Sold under license from the patent holder, Deakin University.

References:

Shigdar *et al* (2013) RNA aptamers targeting cancer stem cell marker CD133. *Cancer Lett.* **330** 84. PMID: 23196060.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956