

Certificate of Analysis

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Product Name: Anti-human EGFR aptamer, Janelia Fluor[®] 646 conjugate **Catalog No.:** 6556 **Batch No.:** 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 18281.03
Physical Appearance: lyophilised film
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 93.1% purity
Mass Spectrum: Consistent with structure

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

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Product Name: Anti-human EGFR aptamer, Janelia Fluor® 646 conjugate **Catalog No.:** 6556 **Batch No.:** 1

Description:

High affinity anti-human EGFR aptamer conjugated to Janelia Fluor® 646 ($K_d = 0.62$ nM). Exhibits high affinity and specificity for human epidermal growth factor receptor (EGFR). Displays dense labeling of the stained structures. Suitable for use in super-resolution microscopy techniques. For optimal binding, aptamers require refolding into their tertiary structure prior to use. Please refer to the protocol for information regarding refolding.

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 Howard Hughes Medical Institute, Janelia Research Campus

Physical and Chemical Properties:

Batch Molecular Weight: 18281.03

Physical Appearance: lyophilised film

References:

Gomes de Castro *et al* (2017) Aptamers provide superior stainings of cellular receptors studied under super-resolution microscopy. Send to **12** e0173050. PMID: 28235049.

Kim *et al* (2014) Efficient isolation and elution of cellular proteins using aptamer-mediated protein precipitation assay. *Biochem.Biophys.Res.Commun.* **448** 114. PMID: 24768638.

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