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## Product Data Sheet

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Product Name: Anti-human EGFR aptamer, Janelia Fluor® 646 conjugate

Cat. No.: GC50499

### Chemical Properties

Cas. No.

Formula M.Wt 18281.03

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

High affinity anti-human EGFR aptamer conjugated to Janelia Fluor® 646 (Kd = 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.

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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