

# SibTech, Inc.

## ctFLex/Cy

Product #SBT502

Fluorescent tracer ctFLex/Cy is based on ctFLex (SibTech product #SBT501).

**Synthesis:** ctFLex/Cy is synthesized by site-specific conjugation of Cy5.5-maleimide (GE Healthcare) to C4 residue of Cys-tag in ctFLex. ctFLex/Cy is purified by ion-exchange chromatography and lyophilized from 20 mM ammonium bicarbonate.

**Purity:** This preparation contains >98% pure protein. The protein and Cy5.5 concentrations were calculated using integral absorption in RP-HPLC profiles at 216 nm and 598 nm, respectively.

**Near-infrared Fluorescent Imaging (NIRF) in small animals:** For *in vivo* NIRF imaging of Flt3 receptors, 100  $\mu$ l ctEGF/Cy at concentration of 10  $\mu$ M is injected into mouse via the tail vein or retro-orbital sinus, 15-60 min prior to imaging. Mice with fur: shave and remove residual hairs using any hair removal lotion in and around the imaging area. Nude mice: position tumor as far as possible from kidney, liver, and bladder.

### One vial contains 0.15 mg of essentially salt-free lyophilized scFLex

**Reconstitution:** To insure full recovery, centrifuge the vial briefly before opening. Reconstitute in 0.15 ml of sterile PBS, to a final concentration of 1 mg/ml. We do not recommend using less than 0.15 ml for reconstitution.

**Stability:** Lyophilized ctFLex/Cy is stable for 1 year at -20°C. After reconstitution, ctFLex/Cy is stable for at least 6 months, if stored at -20°C or below. Multiple thawing-freezing should be avoided.

**Safety warnings:** For research use only. Not for human use. Not recommended or intended for diagnosis in humans or animals. As all chemicals should be considered as potentially hazardous, it is advisable to wear suitable protective clothing, such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water