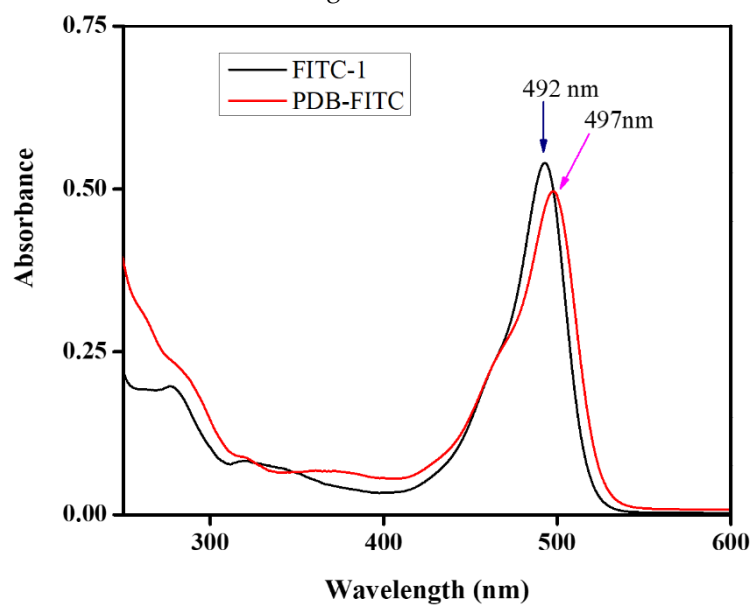


Figure S1. UV- Visible spectrophotometer study of gemcitabine. A) The absorbance of free gemcitabine at different concentration and B) The standard curve of free gemcitabine in PBS.

UV –Visible spectra of Fluorescein isothiocyanate (FITC)

PG4.5 –DETA-Biotin was tagged with FITC probe and the conjugation was characterized with UV-Visible spectrophotometer at 492 nm wavelength.



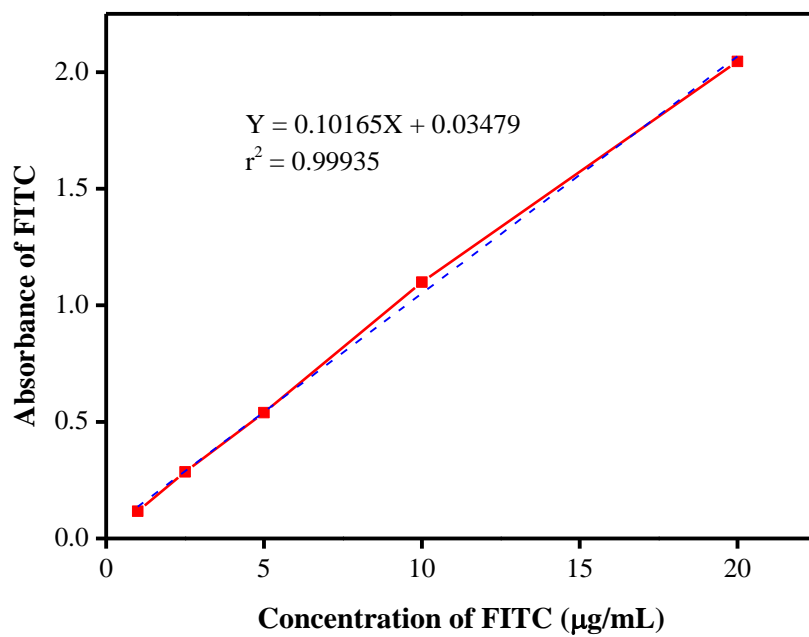
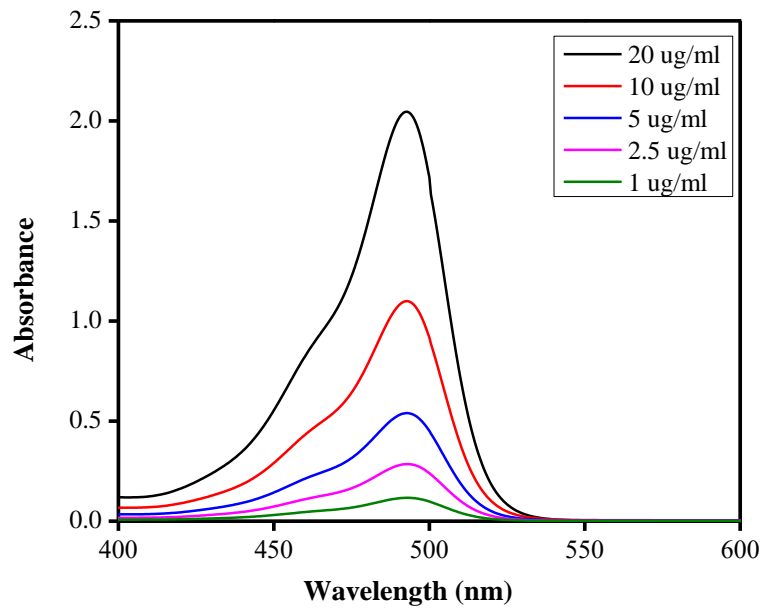


Figure S2. UV- Visible spectrophotometer study of FITC. A) The full adsorption wavelength spectrum of FITC and the PG4.5-DETA-Biotin B) The absorbance of FITC for different concentration and C) The standard curve of FITC in PBS.

