

Biotinylated FNDs

Data provided below is representative of kinetic activity for Cymaris biotin-conjugated FNDs. To receive lot-specific kinetic data, email sales@cymaris.com, or call 1-614-732-0754.

Confirmation of biotin conjugation by catalytic assay:

Biotinylated FNDs were assayed with a commercial Streptavidin:Horse Radish Peroxidase(HRP). HRP activity was determined using hydrogen peroxide and the chromogenic substrate pyrogallol. Kinetic activity was compared to a 1:1000 dilution of Streptavidin:HRP. The chart below shows the relative activity of each conjugate compared to a 1:1000 dilution of Streptavidin:HRP. Conjugates are available with protein directly attached to the surface of the nano-diamond, from the tail end of a PEG-4, PEG-12, PEG-36, DUAL-branched, or TRI-branched PEG spacer.

NH2-dPEG3-biotin NV-FND Conjugation Kinetics

