

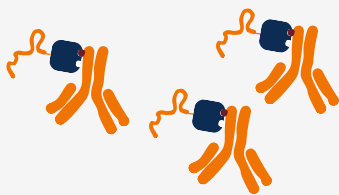
StreptaClick® Precision

Conjugate exactly one molecule of your choice to aggregation-free streptavidin

Easy conjugation of oligos, LNPs and fluorochromes

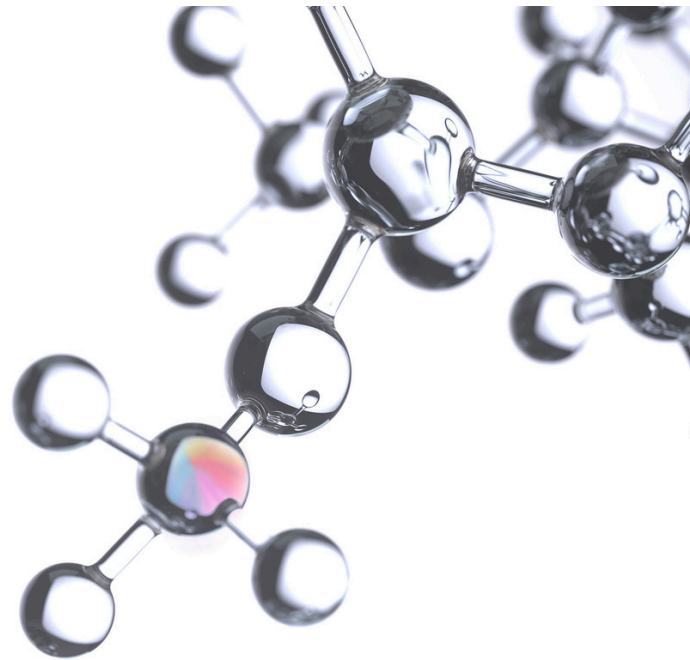
Simple and precise attachment of biomolecules to streptavidin at a 1:1 ratio via click chemistry.

Unique cis divalent streptavidin for monovalent binding to biotinylated proteins. No aggregation when mixed in solution - suitable for developing multiplex assays.



StreptaClick®

www.kromnigon.com



- Precise 1:1 conjugation
Site-specific conjugation by click-chemistry
- High biotin binding affinity
KD similar to native streptavidin
- No aggregation
Cis divalent streptavidin, monovalent binding
- Perfect for large molecules
Oligos, nanoparticles and more

StreptaClick® Precision

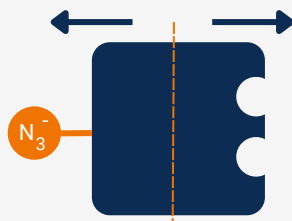
The perfect starting point for assays requiring conjugation of reporter molecules or cargos such as oligonucleotides, fluorochromes and lipid nanoparticles to streptavidin.

90-100% conjugation efficiency for oligos.

Unique Cis-Divalent Design

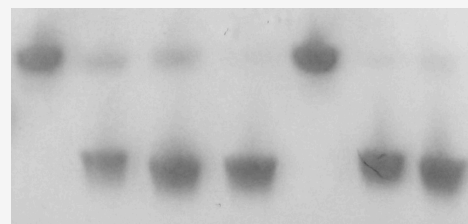
Designed to allow conjugation of bulky molecules without compromising biotin binding

- Two biotin binding pockets (still monovalent binding)
- Maximum separation of the single conjugation site and the biotin-binding region



Click Chemistry Conjugation

Native PAGE gel



Unconjugated



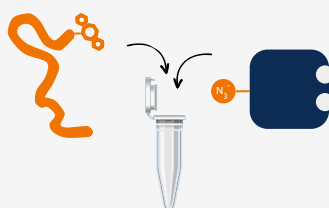
Conjugated



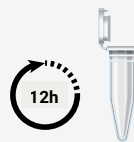
Typically 90-100% conjugation efficiency with oligos

StreptaClick® Precision Workflow

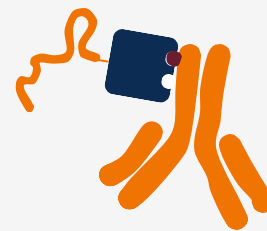
DNA oligo with DBCO StreptaClick® Precision - 1 Azide



Mix reporter and suitable StreptaClick® Precision



Incubate and clean up sample



Mix with biotinylated molecule and apply to your assay

StreptaClick® Precision kits

StreptaClick® Precision - 1 DBCO (0.1 mg, 0.5 mg, 2 mg)

StreptaClick® Precision - 1 Azide (0.1 mg, 0.5 mg, 2 mg, 10 mg)

StreptaClick® Precision - 1 Oligo (0.1 mg, 0.5 mg, 2 mg)

StreptaClick® Precision - 1 Fluorochrome (488 or 647, 0.1 mg)



In need of signal amplification?

Versions with 3 or 7 reactive groups are in development, and versions with "tracer" fluorochromes on the body.

Contact us for custom molecules, bulk orders and OEM opportunities