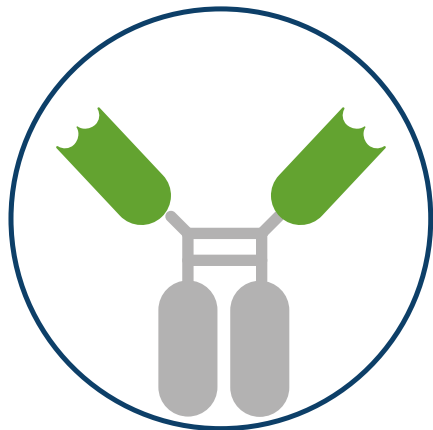


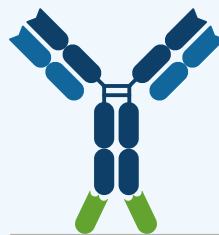


chromotek[®] Nanobody-based research tools provide a higher level of performance than conventional IgG antibody tools.



Binding domain of alpaca heavy chain antibodies: Nanobody 15 kDa

Unparalleled Immunoprecipitation
Nano-Traps

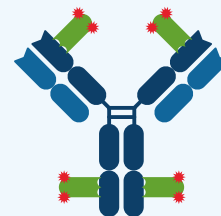


Antibody Immobilization
Nano-CaptureLigands[®]

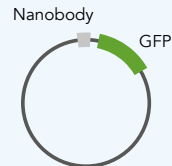


Immunofluorescence
Nano-Boosters & Nano-Labels

Protein Purification
Nano-Caps



Immunostaining
Nano-Secondary[®] Reagents



Live Cell Imaging
Chromobodies[®]

What is your application?

What is your tag or target?

You should try ...

Because they offer ...

Biochemical characterization of proteins and/or protein interactions:

- Immunoprecipitation, Co-IP
- Mass spectrometry
- ChIP/RIP
- On-bead assays

- GFP, mNeonGreen, TurboGFP
- mCherry, RFP
- DYKDDDDK-tag, Myc-tag, V5-tag, Spot-tag
- Halo-tag, SNAP/CLIP-tag
- MBP, GST

Nano-Traps
Nanobodies or Fab-fragments coupled to Agarose, Magnetic Agarose, or Magnetic Particles M-270

- No contamination of WB & MS by heavy and light chains
- Highest affinities for IP of low-abundant targets
- Compatible with virtually all buffers
- Ready to use and short handling time

Protein purification

Spot-tag®

Spot-Cap®
Engineered Nanobody coupled to an Agarose resin

- One-step purification
- Ultra low host cell protein contamination
- Elution by peptide or pH shift
- Spot-tag® is ideal for IP, IF, WB, & protein purification

Antibody immobilization:

- Biosensors (SPR, BLI)
- ELISA

Rabbit, mouse, & human IgG & IgE

Nano-CaptureLigands®
Biotinylated Nanobodies

- Site-directed IgG immobilization
- No antibody biotinylation
- Immobilization from crude samples
- High affinity binding
- Negligible IgG dissociation

Immunofluorescence:

- Secondary Nanobody IF
- Super resolution imaging
- GFP-tag and RFP-signal enhancement

- Rabbit, mouse, & human IgGs
- GFP, mCherry, RFP
- Vimentin, Histone
- Spot-tag®

Nano-Secondary® Reagents
Nano-Boosters
Nano-Labels
Nanobodies conjugated to fluorophores

- Higher resolution due to small Nanobody size
- Time saving by single incubation step
- Better tissue penetration
- Isotype-specificity
- Multiplexing

Live cell imaging

Actin, Dnmt1, Histone, Lamin, PARP1, PCNA (Cell cycle), Vimentin

Chromobodies®
Plasmid encoded Nanobody fused to a fluorescent protein for intracellular expression

- Real time imaging in live cells
- Minimal interference with target function