chromotek®

ChromoTek's Nanobody-based research tools provide a higher level of performance than conventional IgG antibody tools.

Used in more than 2,500 publications.

Binding domain of alpaca heavy chain antibodies: Nanobody 15 kDa

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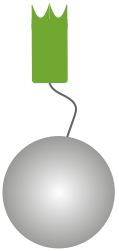
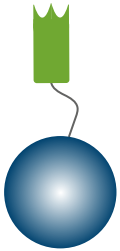
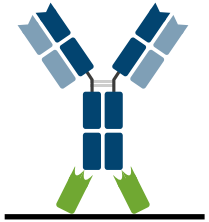


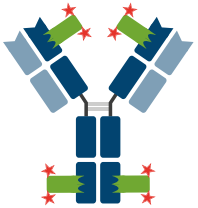
Unparalleled Immunoprecipitation
Nano-Traps



Protein Purification
Nano-Caps

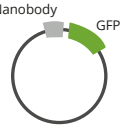


Antibody Immobilization
Nano-CaptureLigands®



Immunostaining
Nano-Secondaries®

Immunofluorescence
Nano-Boosters
Nano-Labels



Live Cell Imaging
Chromobodies®

new tools for better research

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-, Myc-, V5-, Spot-Tag Halo-Tag, SNAP/CLIP-Tag MBP, GST	**Nano-Traps** Nanobodies or Fab-fragments 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 · 2,000+ publications
Protein purification	Spot-Tag® Inert, 12-amino acid peptide tag: PDRVRAVSHWSS	**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 (SRM) · GFP- and RFP-signal enhancement	Rabbit, mouse, & human IgGs GFP, mCherry, RFP Vimentin, Histone Spot-Tag®	**Nano-Secondaries®** **Nano-Boosters** **Nano-Labels** Nanobodies conjugated to fluorophores	· Time-saving by one-step incubation · Higher resolution due to small Nanobody size · 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