

Nano-Traps

GFP-Trap

Mass Spectrometry

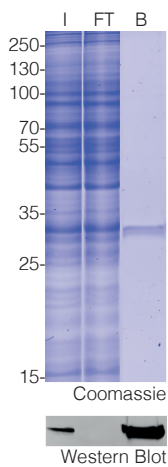
iST GFP-Trap Kit for Affinity Purification Mass Spec

IP / Co-IP of GFP-fusion proteins & sample preparation for MS

- ▶ **Reliable identification of GFP-fusion proteins & interactomes**
- ▶ **Superior processing of IP samples into clean peptide mixtures**
- ▶ **Intuitive handling for reproducible results**

iST GFP-Trap Kit

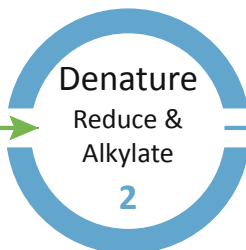
The iST GFP-Trap Kit comprises the ChromoTek GFP-Trap® for IP/Co-IP of GFP-fusions and the PreOmics iST kit for bottom-up proteomic sample preparation. The kit enables researchers to process GFP-fusion proteins and their interacting partners for MS analysis. This robust method allows to obtain purified peptides and largely eliminates contamination or sample loss. Eight samples can be processed; in addition, there is pull-down reagent for controls.



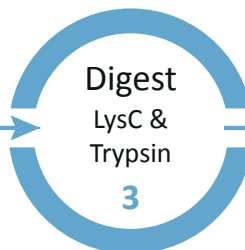
ChromoTek



⌚ 60 min
🌡️ 4°C



⌚ 10 min
🌡️ 60°C



⌚ 60 min
🌡️ 37°C



⌚ 60 min
🌡️ RT

The ChromoTek GFP-Trap is a Nanobody or V_HH coupled to a matrix for IP of GFP-fusion proteins & their interacting partners.

- ▶ fast and efficient one-step immunoprecipitation
- ▶ more than 1,000 publications
- ▶ gold standard for IP of GFP-fusion proteins

The PreOmics iST technology provides a complete solution for proteomic sample preparation.

- ▶ developed at the laboratory of Matthias Mann
- ▶ streamlined workflow directly compatible with MS analysis
- ▶ avoids MS downtime through clean peptide samples

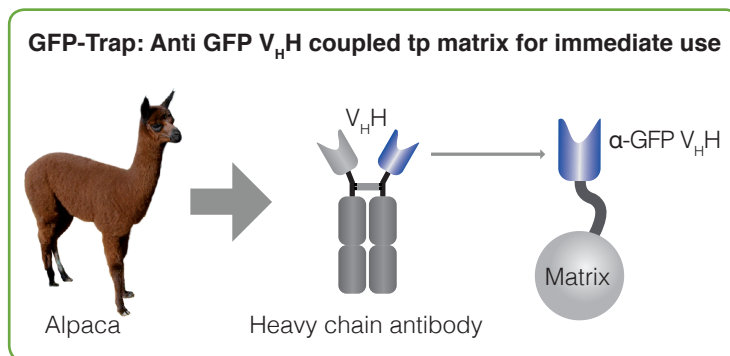
▶ **From IP/Co-IP of GFP-fusion proteins to MS in less than 4 hours!**

Technology

MS-based proteomics typically employs multiple sample preparation steps that can lead to sample contamination and loss. The PreOmics iST technology overcomes these problems and has been published in Nature Methods (Kulak et al., 2014): “Minimal, encapsulated proteomic-sample processing applied to copy-number estimation in eukaryotic cells” (doi: 10.1038/nmeth.2834).

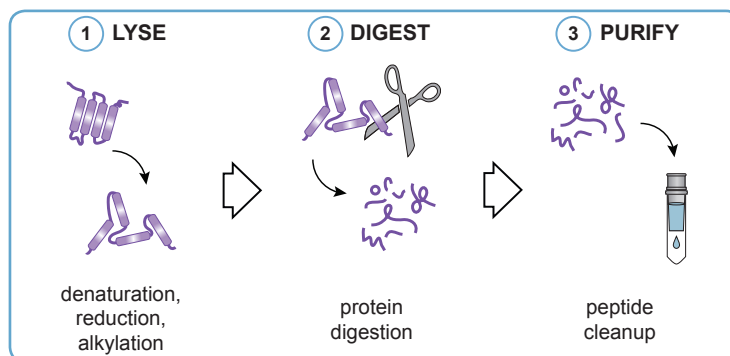
Camelidae, e.g. alpacas, possess a type of antibody called heavy chain antibody. These are devoid of light chains and bind their antigen via a single variable domain (V_H), also known as a Nanobody. These V_H domains have excellent binding properties and can be recombinantly expressed at constant high quality without batch-to-batch variation.

For more information see www.chromotek.com.



The PreOmics iST technology comprises all chemicals, enzymes, cartridges and plastic ware required for denaturation, reduction, and alkylation of co-immunoprecipitated proteins plus in-solution digestion and peptide clean-up. Optimized and patented peptide washing procedures eliminate both hydrophobic and hydrophilic contaminants. This results in clean peptides, therefore decreases MS downtime and guarantees reproducible as well as reliable data.

For more information see www.preomics.com.



Products (for research only)

Product	Reactions	Code
iST GFP-Trap Kit ▶ Kit for AP-MS sample preparation of GFP-fusion proteins	8 (plus 2 controls)	gtak-iST-8

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