

PICO Product Catalog

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PICO Kits



PICOglue Antibody Labeling Kit

PICO-000110

The PICOglue Antibody Labeling Kit is designed to enable the labeling of up to four antibodies with DNA oligonucleotides (PICO Labels) using Actome's PICOglue labeling technology. Once labeled, the antibodies remain stable for at least six months, ensuring reliable and sensitive PICO assays. The antibody labeling process is designed as a three-day procedure with minimal hands-on time (<2 hours and 30 minutes) and generates sufficient amounts of labeled antibodies for hundreds of PICO assays.

PICO Amplification Core Kit

PICO-000010

The PICO Amplification Core Kit enables the highly sensitive detection and quantification of proteins, protein interactions, and post-translational modifications. The kit workflow involves the lysis of the biological sample, the mixing of the lysed sample with the labeled antibodies, and the overnight incubation (termed 'binding reaction'). The kit allows performing PICO assays in 24- or 96-well dPCR plates.



PICO Labels & Probes

PICO Labels

PICO-000120-123

The PICO Labels are unique DNA oligonucleotides that are loaded onto antibodies using the PICOglue Antibody Labeling Kit. The PICO Labels, bound by the matching PICO Probes, are amplified during the dPCR reaction and a fluorescent signal is generated.

Available PICO Labels:

- PICOglue BL Label - HEX channel (yellow)
- PICOglue P8 Label - FAM channel (green)
- PICOglue N6 Label - TAMRA channel (orange)
- PICOglue O7 Label - ROX channel (red)



PICO Probes

PICO-000070-73

The PICO Probes are designed to bind specifically to the matching PICO Labels and allow their amplification and subsequent fluorescent signal generation during the dPCR reaction.

Available PICO Probes:

- PICO BL Probe
- PICO P8 Probe
- PICO N6 Probe
- PICO O7 Probe



PICO Sets

PICOGlue Assay All-in-One Set - 2 colors

PICO-000021

The PICOglue Assay All-in-One Set contains all the individual PICO Kits required to perform a complete 2-color PICO experiment.

Kits included in the set:

- PICOglue Antibody Labeling Kit
- PICO Amplification Core Kit
- PICOglue BL & P8 Label
- PICO BL & P8 Probe



PICO Protein Detection Trial Kit

PICO-000090

The PICO Protein Detection Trial Kit is designed to help users become familiar with the major steps in the PICO assay. The Trial Kit includes a recombinant protein as a sample and two pre-labeled antibodies, providing all essential components for a successful PICO assay. The Trial Kit protocol is simple and convenient and only requires 1.5 hours of hands-on time.

PICO Services

PICO Antibody Labeling Service

With our PICO Antibody Labeling Service, your chosen antibodies are labeled with PICO Labels, delivering highly sensitive and specific probes for PICO assays. Our specialists will assist you in choosing the most suitable antibodies tailored to your specific requirements.



PICO Assay Development Service

The PICO Assay Development Service offers a comprehensive solution for researchers, where we develop custom-tailored PICO assays to ensure precise and reliable results for you. With Actome's expertise, you can focus on your research while having confidence in the assay's performance and accuracy.



Custom Oligonucleotide Antibody Conjugation Service

The Custom Oligonucleotide Antibody Conjugation Service enables you to conjugate your antibodies with custom oligonucleotides, beneficial for various applications such as FISH, PLA, or Antibody Oligonucleotide Conjugates (AOC). Leverage our reliable and efficient PICOglue antibody labeling technology.





Purchase our products at: shop.actome.de



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Next Generation Discovery