Histone H4 96-well Plate Catalog #K611

LIMITATIONS: THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT APPROVED FOR THERAPEUTIC OR DIAGNOSTIC USE.

THE FOLLOWING INFORMATION IS INTENDED ONLY AS A GUIDE. THE USER MUST VALIDATE THE EXPERIMENTAL CONDITIONS FOR SUITABILITY OF THEIR INTENDED PURPOSE.

Description:

The Tulip Biolabs Cat. #K611 Histone H4 96-well plate is a microplate (Stripwell) coated with highly purified human histone H4 protein. The microplate wells are additionally treated with a proprietary blocking solution which stabilizes the plates for long-term storage at room temperature (RT), and minimizes background signal upon ELISA assay development. The #K611 plate is designed to be used in a PARP1 poly-(ADP-ribose) activity (PARylation) assay, as described in a separate protocol, or other uses as determined by the user. The described assay can be used to screen and measure IC50's of PARP1 enzyme inhibitors, or other uses.

Supplied As:

The Tulip Biolabs Cat. #K611 Histone H4 96-well plate is a supplied as a removable strip microplate coated with highly purified human histone H4 protein. The microplate wells are additionally treated with a proprietary blocking solution. Each microplate is supplied in a foil pouch with desiccant, and sealed under slight negative pressure.

Storage and Stability:

Store microplates at RT or 4˚C. Place unused microwell strips back into the sealed foil pouch containing desiccant. Microplate strips are stable for at least 6 months.

Applications and Suggested Quantities:

See PARP1 Histone H4 ELISA Assay Protocol, available at tulipbiolabs.com. Each plate is sufficient to assay approximately 44 samples plus controls performed in duplicate.

Tulip BioLabs Other Related Products:

PARP1, Highly active, human, Cat. #2090.
Anti-poly(ADP-ribose) polymer, clone 10H, mouse monoclonal antibody, Cat. #1020.
Anti-poly(ADP-ribose) polymer, IgY, chicken polyclonal antibody, Cat. #1023.
Anti-PARP1, whole protein, IgY, chicken polyclonal antibody, Cat. #1051.

Original Reference:

This product was developed at Tulip Biolabs, Inc.

Related References:

Kotova E, Pinnola AD, Tulin AV. 2011. Small-molecule Collection and High-throughput Colorimetric Assay to Identify PARP-1 Inhibitors. Methods Mol Biol. 780: 491-516. doi:10.1007/978-1-61779-270-0_29.

Kotova E and Tulin AV. 2017. High-Throughput Colorimetric Assay for Identifying PARP-1 Inhibitors Using a Large Small-Molecule Collection. Methods Mol Biol. 1608: 299-312. doi:10.1007/978-1-4939-6993-7_19.

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