Datasheet for ABIN5690733

PARP1 ELISA Kit

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Overview

Quantity:	96 tests
Target:	PARP1
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human Cleaved PARP (D214/G215) Cell-based ELISA Kit. This ELISA is for measuring cleaved PARP (Asp-214/Gly-215) in human adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes human PARP cleaved at sites aspartic acid-214 and glycine-215.
Characteristics:	• Rapidly measure phosphorylated protein in adherent cell lines • Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) • No sample lysis is needed • Compatible with a standard ELISA plate reader
Components:	• Uncoated 96-well Strip Microplate • Wash Buffers • Fixing Solution

Product Details

	• Quenching Buffer • Blocking Buffer • Anti-phospho antibody • Anti-pan antibody • HRP-Conjugated Secondary Antibody • TMB One-Step Substrate • Stop Solution
Material not included:	• Distilled or deionized water • 100 mL and 1 liter graduated cylinders • Tubes to prepare sample dilutions • Protease and Phosphatase inhibitors • Precision pipettes to deliver 2 µL to 1 mL volumes • Adjustable 1-25 mL pipettes for reagent preparation • Benchtop rocker or shaker • Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target:	PARP1
Alternative Name:	PARP (PARP1 Products)
Gene ID:	142
UniProt:	P09874
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, DNA Damage Repair, Production of Molecular Mediator of Immune Response, Maintenance of Protein Location

Application Details

Plate:	Uncoated
Protocol:	1. Prepare all reagents and samples as instructed in the manual. 2. Add 100 µL of sample or positive control to each well. 3. Incubate 2.5 h at RT or O/N at 4 °C. 4. Add 100 µL of prepared primary antibody to each well. 5. Incubate 1 h at RT. 6. Add 100 µL of prepared 1X HRP-Streptavidin to each well. 7. Incubate 1 h at RT. 8. Add 100 µL of TMB One-Step Substrate Reagent to each well. 9. Incubate 30 min at RT. 10. Add 50 µL of Stop Solution to each well.

Application Details

	11. Read at 450 nm immediately.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
Expiry Date:	6 months