

Datasheet for ABIN6244372

Estrogen Receptor alpha ELISA Kit**3** Images[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	Estrogen Receptor alpha (ESR1)
Binding Specificity:	pSer118
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-Estrogen receptor (Ser118) ELISA Kit. This assay semi-quantitatively measures Estrogen receptor phosphorylated at Serine-118 in cell lysate samples.
Sample Type:	Cell Samples, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human Estrogen receptor phosphorylated at site Serine-118.
Characteristics:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Anti-Phospho Antibody• HRP-Conjugated Secondary Antibody• Assay Diluent• TMB One-Step Substrate• Stop Solution• Lysis Buffer

Product Details

- Positive Control Sample

- Components:
- Pre-Coated 96-well Strip Microplate
 - Wash Buffer
 - Anti-Phospho Antibody
 - HRP-Conjugated Secondary Antibody
 - Assay Diluent
 - TMB One-Step Substrate
 - Stop Solution
 - Lysis Buffer
 - Positive Control Sample

- 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: Estrogen Receptor alpha (ESR1)
- Alternative Name: Estrogen receptor ([ESR1 Products](#))
- Gene ID: 2099
- UniProt: [P03372](#)
- Pathways: [Nuclear Receptor Transcription Pathway](#), [EGFR Signaling Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Ribonucleoprotein Complex Subunit Organization](#), [Ribosome Assembly](#)

Application Details

- Application Notes: Optimal working dilution should be determined by the investigator.
- Plate: Pre-coated
- Protocol:
1. Prepare all reagents and samples as instructed in the manual.
 2. Add 100 µL of sample or positive control to each well.

Application Details

- 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.
- 11. Read at 450 nm immediately.

Restrictions: For Research Use only

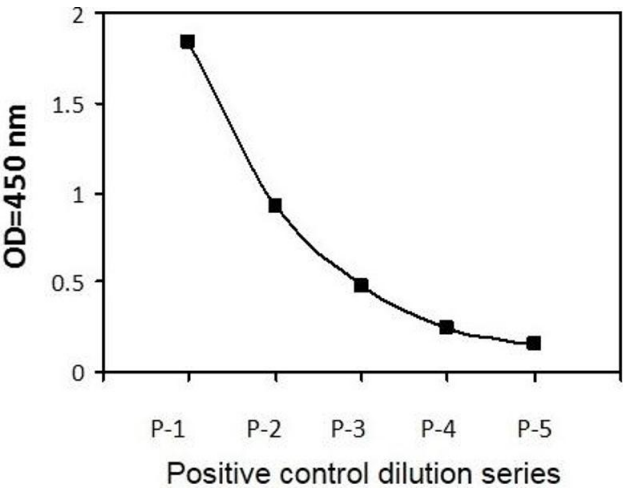
Handling

Storage: -20 °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

Images

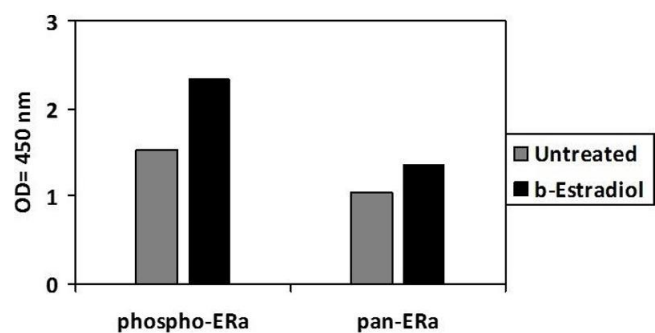


ELISA

Image 1. ZR751 cells were treated with b-estradiol at 37°C for 1 hours. Cells were solubilized at 4 x 10⁷ cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.

ELISA

Image 2. ZR751 cells were untreated or treated with b-estradiol for 1 hour. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 3. ZR751 cells were untreated or treated with b-estradiol for 1 hour. Cell lysates were analyzed using this phosphoELISA and Western Blot.

