

Datasheet for ABIN5526725
EIF4E ELISA Kit[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	EIF4E
Binding Specificity:	pSer209, total
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-WNK1 (Thr60) and Total WNK1 Cell-Based ELISA Cell-Based ELISA Kit. This assay semi-quantitatively measures eIF-4E phosphorylated at Serine-209 as well as total eIF-4E in adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human eIF-4E phosphorylated at site Serine-209 as well as total eIF-4E.
Characteristics:	<ul style="list-style-type: none">• 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

Product Details

Components:	<ul style="list-style-type: none">• Uncoated 96-well Strip Microplate• Wash Buffers• Fixing Solution• Quenching Buffer• Blocking Buffer• Anti-phospho antibody• Anti-pan antibody• HRP-Conjugated Secondary Antibody• TMB One-Step Substrate• Stop Solution
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Material not included:	<ul style="list-style-type: none">• 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
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Target Details

Target:	EIF4E
Alternative Name:	eIF-4E (EIF4E Products)
Gene ID:	1977
UniProt:	P06730
Pathways:	BCR Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none">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.

Application Details

- 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