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Datasheet for ABIN5526745  
**NFKBIA ELISA Kit**

### Overview

Quantity:	96 tests
Target:	NFKBIA
Binding Specificity:	pSer32, total
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISA

### Product Details

Purpose:	Cell-Based ELISA Kit. This assay semi-quantitatively measures IKB-alpha phosphorylated at Serine-32 as well as total IKB-alpha in adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human IKB-alpha phosphorylated at site Serine-32 as well as total IKB-alpha.
Characteristics:	<ul style="list-style-type: none"><li>• Rapidly measure phosphorylated protein in adherent cell lines</li><li>• Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)</li><li>• No sample lysis is needed</li><li>• Compatible with a standard ELISA plate reader</li></ul>
Components:	<ul style="list-style-type: none"><li>• Uncoated 96-well Strip Microplate</li></ul>

## Product Details

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- 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"><li>• Distilled or deionized water</li><li>• 100 mL and 1 liter graduated cylinders</li><li>• Tubes to prepare sample dilutions</li><li>• Protease and Phosphatase inhibitors</li><li>• Precision pipettes to deliver 2 <math>\mu</math>L to 1 mL volumes</li><li>• Adjustable 1-25 mL pipettes for reagent preparation</li><li>• Benchtop rocker or shaker</li><li>• Microplate reader capable of measuring absorbance at 450 nm</li></ul>
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## Target Details

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Target:	NFKBIA
Alternative Name:	IKB-alpha ( <a href="#">NFKBIA Products</a> )
Gene ID:	4792
UniProt:	<a href="#">P25963</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 <math>\mu</math>L of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 <math>^{\circ}</math>C.</li><li>4. Add 100 <math>\mu</math>L of prepared primary antibody to each well.</li></ol>

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## Application Details

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5. Incubate 1 h at RT.
6. Add 100  $\mu$ L of prepared 1X HRP-Streptavidin to each well.
7. Incubate 1 h at RT.
8. Add 100  $\mu$ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50  $\mu$ L of Stop Solution to each well.
11. Read at 450 nm immediately.

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Restrictions: For Research Use only

## Handling

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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.

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Expiry Date: 6 months