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## Datasheet for ABIN2748170

### **NFKBIA ELISA Kit**



#### Overview

Quantity:	96 tests
Target:	NFKBIA
Binding Specificity:	pSer32
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human Phospho-I-kappa B alpha (S32) ELISA Kit. This assay semi-quantitatively measures
	phophorylated I-kappa B alpha (Ser32) in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Human IkB-alpha phosphorylated at site
	Serine-32.
Characteristics:	Rapidly measure phosphorylated protein in lysates
	<ul> <li>Screen numerous different cell lysates without performing a Western Blot analysis</li> </ul>
	Minimal hands-on time, convenient, and non-radioactive material
Components:	Pre-Coated 96-well Strip Microplate
	Wash Buffer
	Anti-Phospho Antibody

#### **Product Details**

- · 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:	NFKBIA
Alternative Name:	IKBa (NFKBIA Products)
Background:	NF-kappa-B inhibitor alpha (IĸB-alpha) phosphorylated at Serine-32
Gene ID:	4792
UniProt:	P25963
Pathways:	NF-kappaB Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Maintenance of Protein Location, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, BCR Signaling

### **Application Details**

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e all reagents and samples as instructed in the manual.  O µL of sample or positive control to each well.  e 2.5 h at RT or O/N at 4 °C.  O µL of prepared primary antibody to each well.  e 1 h at RT.

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	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.
Assay Procedure:	Prepare all reagents and samples as instructed in the manual.
	Add 100 $\mu L$ of sample or positive control to each well.
	Incubate 2.5 h at RT or O/N at 4 °C.
	Add 100 µL of prepared primary antibody to each well.
	Incubate 1 h at RT.
	Add 100 µL of prepared 1X HRP-Streptavidin to each well.
	Incubate 1 h at RT.
	Add 100 μL of TMB One-Step Substrate Reagent to each well.
	Incubate 30 min at RT.
	Add 50 µL of Stop Solution to each well.
	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