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## Datasheet for ABIN5690758 **RELB ELISA Kit**

2 Images



#### Overview

Quantity:	96 tests
Target:	RELB
Reactivity:	Human
Method Type:	DNA-Binding ELISA
Application:	ELISA
Product Details	
Purpose:	Human NF-кB RelB Transcription Factor Activity Assay. This assay uses a dsDNA coated plate with canonical NF-кB RelB binding sequences to semi-quantitatively detect active NF-кB RelB in lysates or nuclear extracts.
Sample Type:	Cell Lysate Nuclear Extract

Sample Type:	Cell Lysate, Nuclear Extract
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The olionucleotide/antibody pair provided in this kit recognizes human SOX2 in whole lysates and nuclear extracts.
Characteristics:	<ul> <li>Specific transcription factor-DNA binding assay</li> <li>Perfect alternative to EMSA</li> <li>Easy to perform in an ELISA format</li> <li>Non-radioactive assay</li> <li>High throughput (96 well plate format)</li> <li>Assay can be completed within 5 hours</li> </ul>

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## Product Details

Components:	<ul><li>96-well Strip Microplate pre-coated with DNA probes</li><li>DNA Binding Buffer</li></ul>
	Positive Control Sample
	Specific Competitor DNA probe
	Non-specific Competitor DNA probe
	Assay Reagent
	• DTT
	• Wash Buffer
	Primary Antibody
	HRP-conjugated Secondary Antibody
	TMB One-Step Substrate Reagent
	Stop Solution
Material not included:	Distilled or deionized water
	<ul> <li>100 mL and 1 liter graduated cylinders</li> </ul>
	Tubes to prepare sample dilutions Absorbent paper
	<ul> <li>Precision pipettes to deliver 2 µL to 1 mL volumes</li> </ul>
	Adjustable 1-25 mL pipettes for reagent preparation
	Benchtop rocker or shaker
	Microplate reader capable of measuring absorbance at 450 nm

## Target Details

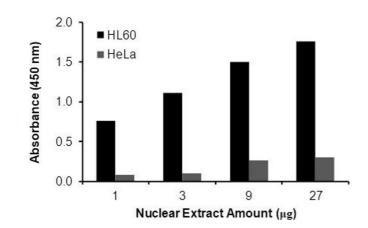
Target:	RELB
Alternative Name:	RelB (RELB Products)
Gene ID:	5971
UniProt:	Q01201
Pathways:	NF-kappaB Signaling, RTK Signaling

## **Application Details**

Plate:	Pre-coated
Protocol:	1. Prepare all reagents and samples as instructed in the manual.
	2. Add 100 $\mu$ L of sample or positive control to each well.
	3. Incubate 2 h at RT or O/N at 4 °C.
	4. Add 100 $\mu$ L of prepared primary antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 $\mu$ L of prepared HRP-secondary antibody 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:	4 °C
Storage Comment:	Upon receipt, the positive control should be removed and stored at -20° or -80°C. The remainder of the kit can be stored for up to 6 months at 2-8°C from the date of shipment. Opened Microplate Wells or reagents may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack, reseal along entire edge. Note: The kit can be used within one year if the whole kit is stored at -20°C upon receipt. Avoid repeated freeze-thaw cycles.
Expiry Date:	6 months

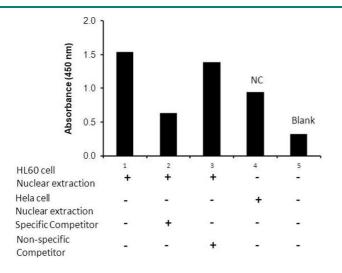
#### Images



### Activity Assay

**Image 1.** Transcription factor assay of NF- $\kappa$ B RelB from nuclear extracts of HL60 cells or HeLa cells with the NF- $\kappa$ B RelB TF Activity Assay.

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#### **Activity Assay**

**Image 2.** Transcription factor assay of NF- $\kappa$ B RelB from nuclear extracts of HL60 cells or HeLa cells with the specific competitor or non-specific competitor. The result shows specific binding of NF- $\kappa$ B RelB to the NF- $\kappa$ B non-canonical DNA binding site.

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