

Datasheet for ABIN5690758

**RELB ELISA Kit****2** Images[Go to Product page](#)

## Overview

Quantity: 96 tests

Target: RELB

Reactivity: Human

Method Type: DNA-Binding ELISA

Application: ELISA

## Product Details

Purpose: Human NF- $\kappa$ B RelB Transcription Factor Activity Assay. This assay uses a dsDNA coated plate with canonical NF- $\kappa$ B RelB binding sequences to semi-quantitatively detect active NF- $\kappa$ B RelB in lysates or nuclear extracts.

Sample Type: Cell Lysate, Nuclear Extract

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: The oligonucleotide/antibody pair provided in this kit recognizes human SOX2 in whole lysates and nuclear extracts.

Characteristics:

- Specific transcription factor-DNA binding assay
- Perfect alternative to EMSA
- Easy to perform in an ELISA format
- Non-radioactive assay
- High throughput (96 well plate format)
- Assay can be completed within 5 hours

## Product Details

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Components:	<ul style="list-style-type: none"><li>• 96-well Strip Microplate pre-coated with DNA probes</li><li>• DNA Binding Buffer</li><li>• Positive Control Sample</li><li>• Specific Competitor DNA probe</li><li>• Non-specific Competitor DNA probe</li><li>• Assay Reagent</li><li>• DTT</li><li>• Wash Buffer</li><li>• Primary Antibody</li><li>• HRP-conjugated Secondary Antibody</li><li>• TMB One-Step Substrate Reagent</li><li>• Stop Solution</li></ul>
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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 Absorbent paper</li><li>• Precision pipettes to deliver 2 µL 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:	RELB
Alternative Name:	RelB ( <a href="#">RELB Products</a> )
Gene ID:	5971
UniProt:	<a href="#">Q01201</a>
Pathways:	<a href="#">NF-kappaB Signaling, RTK Signaling</a>

## Application Details

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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 µL of sample or positive control to each well.</li><li>3. Incubate 2 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared HRP-secondary antibody to each well.</li><li>7. Incubate 1 h at RT.</li></ol>

## Application Details

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.

Restrictions: For Research Use only

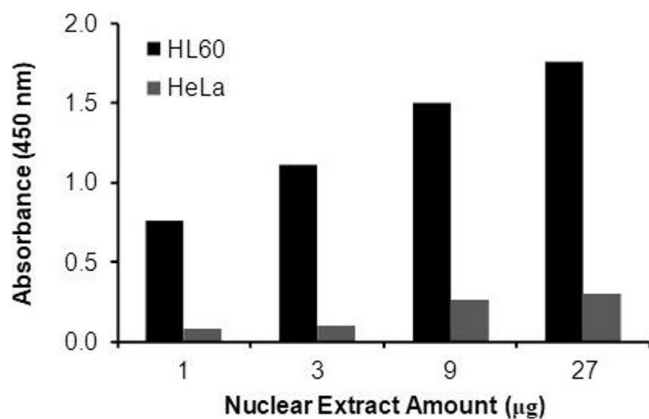
## Handling

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.

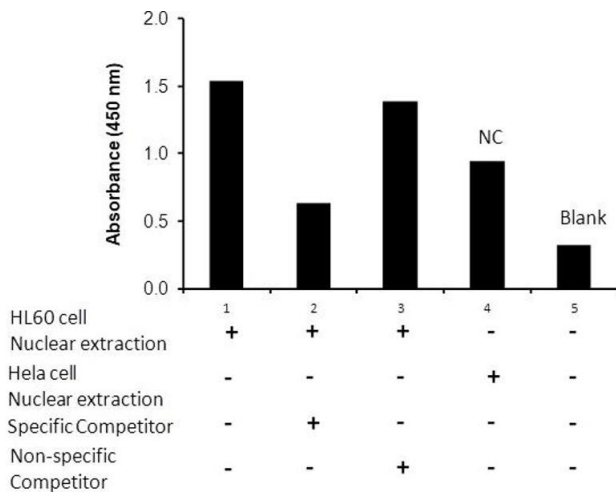
Expiry Date: 6 months

## 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.



**Activity Assay**

**Image 2.** Transcription factor assay of NF-κB 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-κB RelB to the NF-κB non-canonical DNA binding site.