

Datasheet for ABIN5690753

FOSL1 ELISA Kit**2** Images[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	FOSL1
Reactivity:	Human
Method Type:	DNA-Binding ELISA
Application:	ELISA

Product Details

Purpose:	Human Fra1 Transcription Factor Activity Assay. This assay uses a dsDNA coated plate with canonical Fra1 binding sequences to semi-quantitatively detect active Fra1 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 Fra1 in whole lysates and nuclear extracts.
Characteristics:	<ul style="list-style-type: none">• 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

Components:	<ul style="list-style-type: none">• 96-well Strip Microplate pre-coated with DNA probes• DNA Binding Buffer• 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
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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• Absorbent paper• 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:	FOSL1
Alternative Name:	Fra1 (FOSL1 Products)
Gene ID:	8061
UniProt:	P15407

Application Details

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 h at RT or O/N at 4 $^{\circ}$C.4. Add 100 μL of prepared primary antibody to each well.5. Incubate 1 h at RT.6. Add 100 μL of prepared HRP-secondary antibody to each well.7. Incubate 1 h at RT.8. Add 100 μL of TMB One-Step Substrate Reagent to each well.

Application Details

9. Incubate 30 min at RT.
10. Add 50 μ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

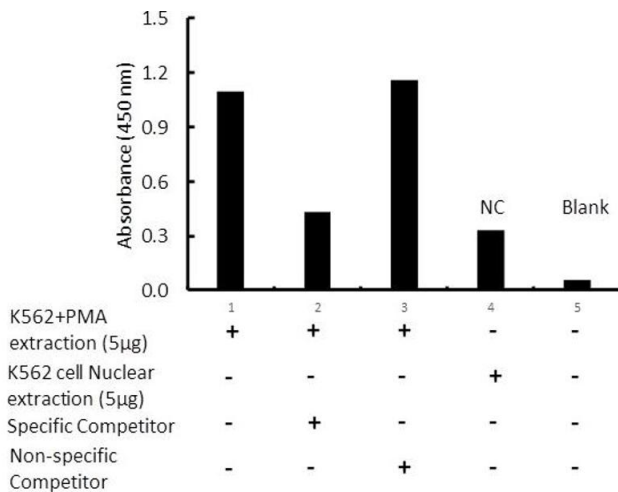
Handling

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.

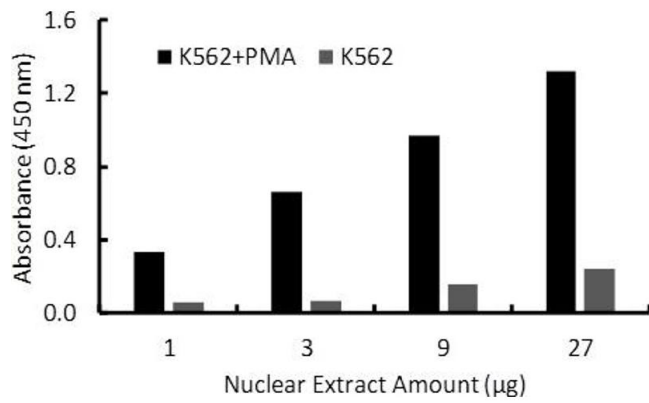
Expiry Date: 6 months

Images



Activity Assay

Image 1. Transcription factor assay of Fra1 from nuclear extracts of K562 cells or K562 cells treated with PMA (50 ng/ml) for 3 hr with the specific competitor or non-specific competitor. The result shows specific binding of Fra1 to the conserve binding site detected by using the Fra1 TF Activity Assay Kit.



Activity Assay

Image 2. Transcription factor assay of Fra1 from nuclear extracts of K562 cells or K562 cells treated with PMA (50 ng/ml) for 3 hr with the Activity Assay Kit.