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Datasheet for ABIN4889771

## FYN ELISA Kit

### 3 Images

#### Overview

Quantity: 96 tests

Target: FYN

Binding Specificity: pTyr530

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

#### Product Details

Purpose: Human Phospho-FYN (Tyr530) ELISA Kit. This assay semi-quantitatively measures FYN phosphorylated at Tyrosine-530 in cell lysate samples.

Sample Type: Cell Culture Lysate

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit recognizes Human FYN phosphorylated at site Tyrosine-530.

Characteristics:

- Rapidly measure phosphorylated protein in lysates
- Screen numerous different cell lysates without performing a Western Blot analysis
- Minimal hands-on time, convenient, and non-radioactive material

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Anti-Phospho Antibody
- HRP-Conjugated Secondary Antibody

## Product Details

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- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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 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:	FYN
Alternative Name:	FYN ( <a href="#">FYN Products</a> )
Gene ID:	2534
UniProt:	<a href="#">P06241</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Feeding Behaviour</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Sample Volume:	100 µL
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 2.5 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 1X HRP-Streptavidin to each well.</li></ol>

## Application Details

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.

Restrictions: For Research Use only

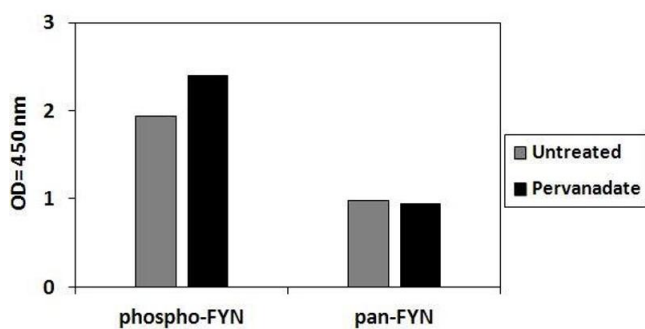
## Handling

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.

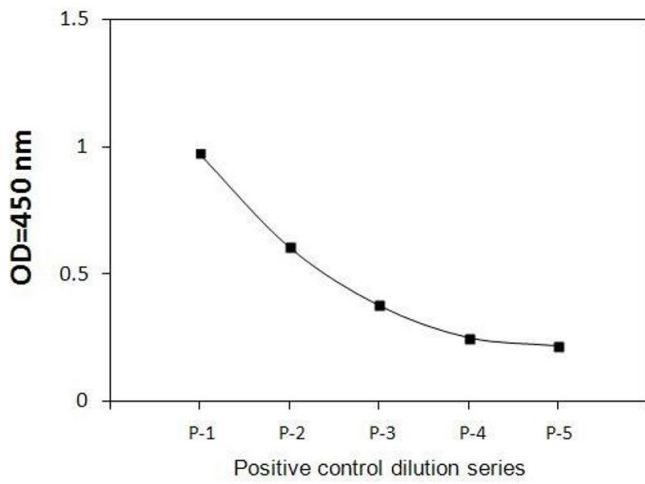
Expiry Date: 6 months

## Images



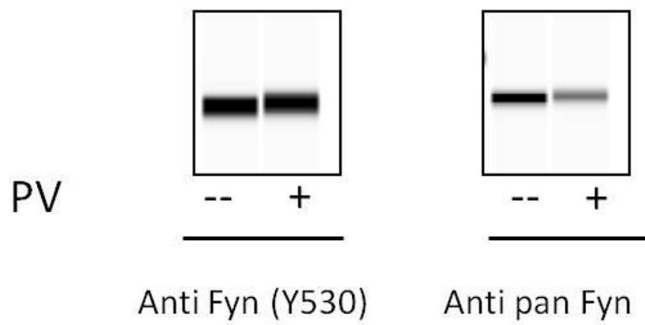
### ELISA

**Image 1.** 293 cells were treated or untreated with Pervanadate. Cell lysates were analyzed using this phosphoELISA and Western Blot.



**ELISA**

**Image 2.** Jurkat cells were treated with Pervanadate. Solubilize cells at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.



**ELISA**

**Image 3.** 293 cells were treated or untreated with Pervanadate. Cell lysates were analyzed using this phosphoELISA and Western Blot.