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Datasheet for ABIN4889795

## STAT6 ELISA Kit

### 2 Images

#### Overview

Quantity: 96 tests

Target: STAT6

Binding Specificity: pTyr641, total

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

#### Product Details

Purpose: Human Phospho-STAT6 (Tyr641) and Total STAT6 ELISA Kit. This assay semi-quantitatively measures STAT6 phosphorylated at Tyrosine-641 as well as total STAT6 in cell lysate samples.

Sample Type: Cell Culture Lysate

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit recognizes Human STAT6 phosphorylated at site Tyrosine-641 as well as total STAT6.

Characteristics:

- Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)
- 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

## Product Details

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- Anti-Phospho Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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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</li><li>• Protease and Phosphatase inhibitors</li><li>• Precision pipettes to deliver 2 <math>\mu</math>L 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:	STAT6
Alternative Name:	STAT6 ( <a href="#">STAT6 Products</a> )
Gene ID:	6778
UniProt:	<a href="#">P42226</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Sample Volume:	100 $\mu$ L
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 <math>\mu</math>L 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 <math>\mu</math>L of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li></ol>

## Application Details

6. Add 100  $\mu$ L of prepared 1X HRP-Streptavidin to each well.
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

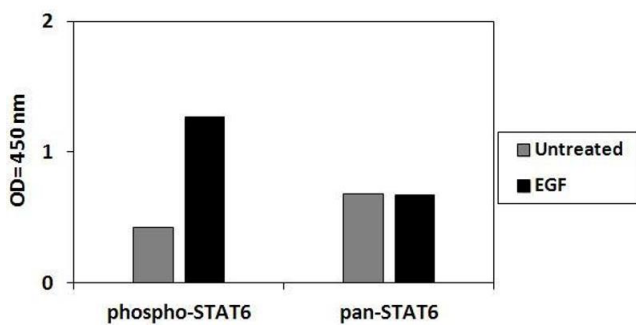
## Handling

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.

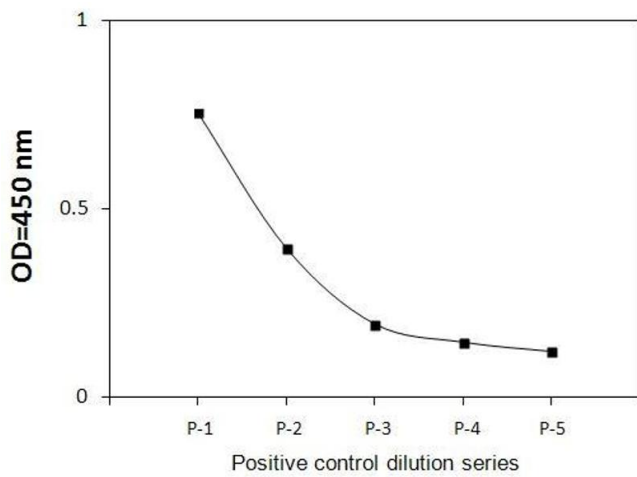
Expiry Date: 6 months

## Images



### ELISA

**Image 1.** A431 cells were treated or untreated with EGF. Cell lysates were analyzed using this phosphoELISA and Western Blot.



## ELISA

**Image 2.** A431 cells were treated with recombinant human EGF at 37°C for 20 min. Cells were solubilized at  $4 \times 10^7$  cells/ml in lysis buffer. Serial dilutions of lysates were analyzed in this ELISA. Please see step 3 of Part VI. Reagent Preparation for details.