

Datasheet for ABIN5691024

**STAT2 ELISA Kit****3** Images[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	STAT2
Binding Specificity:	pTyr689
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Human Phospho-STAT2 (Tyr689) and Total STAT2 ELISA Kit. This assay semi-quantitatively measures STAT2 phosphorylated at Tyrosine-689 as well as total STAT2 in cell lysate samples.
Sample Type:	Cell Samples, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human STAT2 phosphorylated at site Tyrosine-689 as well as total STAT2.
Characteristics:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Anti-Phospho Antibody</li><li>• Anti-Pan Antibody</li><li>• HRP-Conjugated Secondary Antibody</li><li>• Streptavidin-Conjugated HRP</li><li>• Assay Diluent</li></ul>

## Product Details

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

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- 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

Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- 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

## Target Details

Target:	STAT2
Alternative Name:	STAT2 ( <a href="#">STAT2 Products</a> )
Gene ID:	6773
UniProt:	<a href="#">P52630</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Hepatitis C</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

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></ol>

Application Details

- 3. Incubate 2.5 h at RT or O/N at 4 °C.
- 4. Add 100 µL of prepared primary antibody to each well.
- 5. Incubate 1 h at RT.
- 6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.
- 7. Incubate 1 h at RT.
- 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

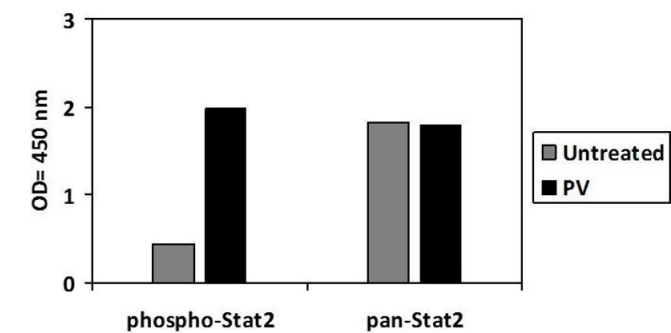
Handling

Storage: 4 °C

Storage Comment: Upon receipt, the 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.

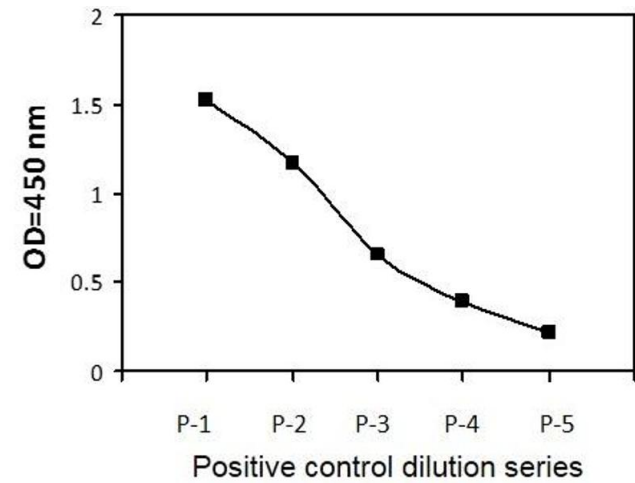
Expiry Date: 6 months

Validation report #103596 for Western Blotting (WB)



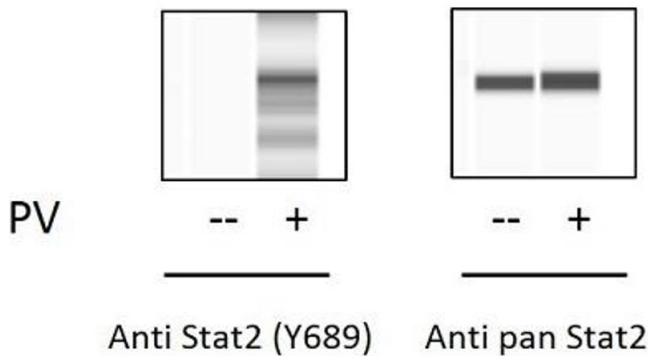
ELISA

**Image 1.** K562 cells were untreated or treated with PV. Cell lysates were analyzed using this phosphoELISA and Western Blot.



**ELISA**

**Image 2.** K562 cells were treated with Pervanadate (PV). Cells were solubilized at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.



**ELISA**

**Image 3.** K562 cells were untreated or treated with PV. Cell lysates were analyzed using this phosphoELISA and Western Blot.