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Datasheet for ABIN4886159 **JAK3 ELISA Kit**

Overview

Quantity:	96 tests
Target:	JAK3
Binding Specificity:	pTyr
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Custom Human Phosphotyrosine JAK3 ELISA Kit. This assay semi-quantitatively measures phosphotyrosine JAK3 in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Human Tyrosine-Phosphorylated-JAK3.
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 Biotinylated Anti-Phosphotyrosine Antibody Stop Solution

Product Details

- Assay Diluent(s)
- · Positive Control Sample
- · Lysis Buffer
- · Streptavidin-Conjugated HRP
- TMB One-Step Substrate

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:	JAK3
Alternative Name:	JAK3 (JAK3 Products)
Gene ID:	3718
UniProt:	P52333
Pathways:	JAK-STAT Signaling, RTK Signaling, Response to Growth Hormone Stimulus, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Protein targeting to Nucleus, Activated T Cell Proliferation, Unfolded Protein Response

Application Details

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	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 2.5 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.

Application Details

	10. Add 50 µL 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