

Datasheet for ABIN5674892
JAK2 ELISA Kit



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Overview

Quantity:	96 tests
Target:	JAK2
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78.125 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78.125 pg/mL
Application:	ELISA

Product Details

Sample Type:	Cell Lysate, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	33.5 pg/mL
Components:	Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Substhumane

Product Details

Stop Solution
Wash Buffer(30 x concenthumane)
Plate sealer for 96 wells
Instruction manual

Material not included:

1. Microplate reader with $450 \pm 10\text{nm}$ filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

Target Details

Target: JAK2

Abstract: [JAK2 Products](#)

Background: Alternative name: JTK10, Tyrosine-protein kinase JAK2

Gene ID: 3717

UniProt: [O60674](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Positive Regulation of Endopeptidase Activity](#), [Protein targeting to Nucleus](#), [CXCR4-mediated Signaling Events](#), [Platelet-derived growth Factor Receptor Signaling](#), [Unfolded Protein Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Assay Time: 1 - 4.5 h

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 μL standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 μL prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 μL prepared Detection Reagent B. Incubate 1 hour at 37°C

Application Details

6. Aspirate and wash 5 times
 7. Add 90 μ L Substrate Solution. Incubate 15-25 minutes at 37°C
 8. Add 50 μ L Stop Solution. Read at 450nm immediately.
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Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months