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# Datasheet for ABIN2748302

# **JNK ELISA Kit**

**Publications** 



### Overview

Quantity:	96 tests
Target:	JNK (MAPK8)
Binding Specificity:	pThr183, pTyr185
Reactivity:	Human, Mouse, Rat
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human/Mouse/Rat Phospho-JNK (T183/Y185) ELISA Kit. This assay semi-quantitatively
	measures phophorylated JNK (Thr183/Tyr185) 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/Mouse/Rat Phospho-JNK
	(pThr183/Tyr185).
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

### **Product Details**

- · HRP-Conjugated Secondary Antibody
- · 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:	JNK (MAPK8)
Alternative Name:	JNK (MAPK8 Products)
Background:	C-Jun N-terminal kinase (JNK) phosphorylated at T183 and/or Y185
Gene ID:	5599
UniProt:	P45983
Pathways:	MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor, S100 Proteins

## **Application Details**

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents and samples as instructed in the manual.
	2. Add 100 $\mu$ L 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.
	10. Add 50 µL of Stop Solution to each well. 11. Read at 450 nm immediately.
Assay Procedure:	Prepare all reagents and samples as instructed in the manual.
	Add 100 µL of sample or positive control to each well.
	Incubate 2.5 h at RT or O/N at 4 °C.
	Add 100 µL of prepared primary antibody to each well.
	Incubate 1 h at RT.
	Add 100 µL of prepared 1X HRP-Streptavidin to each well.
	Incubate 1 h at RT.
	Add 100 µL of TMB One-Step Substrate Reagent to each well.
	Incubate 30 min at RT.
	Add 50 µL of Stop Solution to each well.
	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
	opon recorpt, the fit official be defeed at 25° of reduce ace maint of months from the date of
	shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-
	shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-
	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
	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
Expiry Date:	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
Expiry Date: Publications	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.
Publications	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.
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mineralization." in: **The Journal of biological chemistry**, Vol. 286, Issue 34, pp. 30071-86, (2011 ) (PubMed).