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Datasheet for ABIN4881290

MAP2K3 ELISA Kit



Overview

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Quantity:	96 tests
Target:	MAP2K3
Binding Specificity:	pSer189
Reactivity:	Human, Mouse, Rat
Method Type:	Cell ELISA
Application:	ELISA
Product Details	
Purpose:	Cell-Based Human/Mouse/Rat MKK3 (S189) Phosphorylation ELISA Kit. Suitable for adherent
	whole cell lines.
Sample Type:	Cell Culture Cells
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibodies provided in this kit recognizes human/mouse/rat MKK3 phosphorylated at
	Serine-189 and total MKK3 for comparison.
Characteristics:	Site and signal pathway-specific
	In vitro detection of adherent cell culture
	No sample lysis needed
	Compatible with a standard ELISA plate reader
	Faster results than with ELISA
	 Adaptable for high-throughput screening and drug discovery

Product Details

Components:

- · uncoated 96-well Microplate
- · Wash Buffer A
- · Wash Buffer B
- · Fixing Solution
- · Quenching Buffer
- · Blocking Buffer
- · Anti-phospho antibody
- · Anti-pan antibody
- · HRP-Conjugated Secondary Antibody
- TMB One-Step Substrate
- Stop Solution

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:	MAP2K3
Alternative Name:	MKK3 (MAP2K3 Products)
Gene ID:	5606
UniProt:	P46734
Pathways:	MAPK Signaling, TLR Signaling, Activation of Innate immune Response, Toll-Like Receptors Cascades, Autophagy, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Sample Volume:	100 μL
Plate:	Uncoated
Protocol:	 Seed 10,000-30,000 cells into each well and incubate overnight. Apply various treatment, inhibitors or activators according to manufacture's instructions. Add 100 µL of Fixing Solution into each well and incubate for 20 min at RT with shaking. Add 200 µL of prepared 1X Quenching Buffer and incubate 20 min at RT.

- 5. Add 200 μL of Blocking Solution and incubate for 1 h at 37 °C.
- 6. Add 50 μ L of 1X anti-phospho-protein specific antibody or anti-pan-protein specific antibody to each well and incubate for 2 h at RT.
- 7. Add 50 μ L of prepared 1X HRP-Anti-Rabbit or Mouse IgG and incubate for 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:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 6 months from the date of shipment. Avoid repeated freeze-thaw cycles.
Expiry Date:	6 months