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## Datasheet for ABIN4881293 **MAP2K6 ELISA Kit**

### Overview

Quantity:	96 tests
Target:	MAP2K6
Binding Specificity:	pSer207
Reactivity:	Human, Mouse
Method Type:	Cell ELISA
Application:	ELISA

### Product Details

Purpose:	Cell-Based Human/Mouse MKK6 (S207) 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 MKK6 phosphorylated at Serine-207 and total MMK6 for comparison
Characteristics:	<ul style="list-style-type: none"><li>• Site and signal pathway-specific</li><li>• In vitro detection of adherent cell culture</li><li>• No sample lysis needed</li><li>• Compatible with a standard ELISA plate reader</li><li>• Faster results than with ELISA</li><li>• Adaptable for high-throughput screening and drug discovery</li></ul>

## Product Details

Components:	<ul style="list-style-type: none"><li>• uncoated 96-well Microplate</li><li>• Wash Buffer A</li><li>• Wash Buffer B</li><li>• Fixing Solution</li><li>• Quenching Buffer</li><li>• Blocking Buffer</li><li>• Anti-phospho antibody</li><li>• Anti-pan antibody</li><li>• HRP-Conjugated Secondary Antibody</li><li>• TMB One-Step Substrate</li><li>• Stop Solution</li></ul>
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Material not included:	<ul style="list-style-type: none"><li>• Distilled or deionized water</li><li>• 100 mL and 1 liter graduated cylinders</li><li>• Tubes to prepare sample dilutions</li><li>• Protease and Phosphatase inhibitors</li><li>• Precision pipettes to deliver 2 µL to 1 mL volumes</li><li>• Adjustable 1-25 mL pipettes for reagent preparation</li><li>• Benchtop rocker or shaker</li><li>• Microplate reader capable of measuring absorbance at 450 nm</li></ul>
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## Target Details

Target:	MAP2K6
Alternative Name:	MKK6 ( <a href="#">MAP2K6 Products</a> )
Gene ID:	5608
UniProt:	<a href="#">P52564</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Sample Volume:	100 µL
Plate:	Uncoated
Protocol:	<ol style="list-style-type: none"><li>1. Seed 10,000-30,000 cells into each well and incubate overnight.</li><li>2. Apply various treatment, inhibitors or activators according to manufacture's instructions.</li><li>3. Add 100 µL of Fixing Solution into each well and incubate for 20 min at RT with shaking.</li><li>4. Add 200 µL of prepared 1X Quenching Buffer and incubate 20 min at RT.</li></ol>

## Application Details

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5. Add 200 µL of Blocking Solution and incubate for 1 h at 37 °C.
6. Add 50 µL 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 µL 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.

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Restrictions:	For Research Use only
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## Handling

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Storage:	-20 °C
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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.
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Expiry Date:	6 months
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