

Datasheet for ABIN4886198
MATK ELISA Kit



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Overview

Quantity: 96 tests

Target: MATK

Binding Specificity: pTyr

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Custom Human Phosphotyrosine MATK ELISA Kit. This assay semi-quantitatively measures phosphotyrosine MATK 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-MATK.

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:	<ul style="list-style-type: none">• 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
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Target Details

Target:	MATK
Alternative Name:	MATK (MATK Products)
Gene ID:	4145
UniProt:	P42679

Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none">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.10. Add 50 µL of Stop Solution to each well.11. Read at 450 nm immediately.

Restrictions:	For Research Use only
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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