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## Datasheet for ABIN2748305

**LCK ELISA Kit**

## Overview

Quantity:	96 tests
Target:	LCK
Binding Specificity:	pTyr394, total
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Human Phospho-LCK (Y394) and Total LCK ELISA Kit. This assay semi-quantitatively measures phosphorylated LCK (Tyr394) and Total LCK 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 LCK phosphorylated at Tyrosine-394 and total LCK.
Characteristics:	<ul style="list-style-type: none"><li>• Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li></ul>

## Product Details

- Anti-Phospho Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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:	LCK
Alternative Name:	LCK ( <a href="#">LCK Products</a> )
Background:	Lymphocyte-specific Protein Tyrosine Kinase (LCK)
Gene ID:	3932
UniProt:	<a href="#">P06239</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 µL of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li></ol>

## Application Details

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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.

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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.
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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:	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.
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Expiry Date:	6 months
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