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#### Datasheet for ABIN4886074

## **EPH Receptor B1 ELISA Kit**



#### Overview

OVEIVIEW	
Quantity:	96 tests
Target:	EPH Receptor B1 (EPHB1)
Binding Specificity:	pTyr
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Custom Human Phosphotyrosine EphB1 ELISA Kit. This assay semi-quantitatively measures phosphotyrosine EphB1 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-EphB1.
Characteristics:	<ul> <li>Rapidly measure phosphorylated protein in lysates</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> <li>Pre-Coated 96-well Strip Microplate</li> <li>Wash Buffer</li> <li>Biotinylated Anti-Phosphotyrosine Antibody</li> <li>Stop Solution</li> </ul>

#### **Product Details**

- Assay Diluent(s)
- Positive Control Sample
- · Lysis Buffer
- · Streptavidin-Conjugated HRP
- TMB One-Step Substrate

#### 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:	EPH Receptor B1 (EPHB1)
Alternative Name:	EphB1 (EPHB1 Products)
Gene ID:	2047
UniProt:	P54762
Pathways:	RTK Signaling

#### **Application Details**

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	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.

### **Application Details**

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 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