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Datasheet for ABIN2748550  
**PDGFRA ELISA Kit**

### Overview

Quantity:	96 tests
Target:	PDGFRA
Binding Specificity:	pTyr
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

### Product Details

Purpose:	Human Phosphotyrosine PDGFRA ELISA Kit. This assay semi-quantitatively measures phosphotyrosine PDGFRA 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-PDGFRA.
Characteristics:	<ul style="list-style-type: none"><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 style="list-style-type: none"><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

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

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

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Target:	PDGFRA
Alternative Name:	PDGFRA ( <a href="#">PDGFRA Products</a> )
Background:	Platelet-Derived Growth Factor Receptor, Alpha Polypeptide, PDGFR2, Alpha-Type Platelet-Derived Growth Factor Receptor, Platelet-Derived Growth Factor Receptor 2, PDGF-R-Alpha, PDGFR-2, PDGFR-Alpha, RHEPDGFRA, CD140 Antigen-Like Family Member A, CD140a Antigen, CD140a, CD140A, PDGFRA/BCR Fusion, Platelet-Derived Growth Factor Receptor Alpha, Rearranged-In-Hypereosinophilia-Platelet Derived Growth Factor Receptor AlphaFusion Protein, Alpha Platelet-Derived Growth Factor Receptor, Platelet-Derived Growth Factor Alpha Receptor
Gene ID:	5156
UniProt:	<a href="#">P16234</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## Application Details

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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></ol>

## Application Details

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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.

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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

## 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