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## Datasheet for ABIN6730262 SHP1 ELISA Kit



Overview

Quantity:	96 tests
Target:	SHP1 (PTPN6)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

#### **Product Details**

Purpose:	Mouse PTPN6 ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Samples, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Mouse PTPN6.
Characteristics:	<ul> <li>Strip plates and additional reagents allow for use in multiple experiments</li> <li>Quantitative protein detection</li> <li>Establishes normal range</li> <li>The best products for confirmation of antibody array data</li> </ul>
Components:	<ul> <li>Pre-Coated 96-well Strip Microplate</li> <li>Wash Buffer</li> <li>Stop Solution</li> <li>Assay Diluent(s)</li> <li>Lyophilized Standard</li> <li>Biotinylated Detection Antibody</li> </ul>

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	<ul><li>Streptavidin-Conjugated HRP</li><li>TMB One-Step Substrate</li></ul>
Material not included:	Distilled or deionized water
	<ul> <li>Precision pipettes to deliver 2 µl to 1 µl volumes</li> </ul>
	<ul> <li>Adjustable 1-25 µl pipettes for reagent preparation</li> </ul>
	<ul> <li>100 µl and 1 liter graduated cylinders</li> </ul>
	Tubes to prepare standard and sample dilutions
	Absorbent paper
	Microplate reader capable of measuring absorbance at 450nm
	Log-log graph paper or computer and software for ELISA data analysis

### Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	PTPN6 (PTPN6 Products)
UniProt:	P29351
Pathways:	JAK-STAT Signaling, TCR Signaling, TLR Signaling, Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion, Steroid Hormone Mediated Signaling Pathway, Response to Growth Hormone Stimulus, Regulation of Leukocyte Mediated Immunity, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, BCR
	Signaling

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.
	2. Add 100 µl of standard or sample to each well.
	3. Incubate 2.5 h at RT or O/N at 4°C.
	4. Add 100 $\mu$ l of prepared biotin antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 $\mu$ l of prepared Streptavidin solution to each well.
	7. Incubate 45 min 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

Handling		
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated	
	freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is	
	recommended to store at -80°C.	
Expiry Date:	6 months	

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