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Datasheet for ABIN4886011 Caveolin-1 ELISA Kit



Overview

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Quantity:	96 tests
Target:	Caveolin-1 (CAV1)
Binding Specificity:	pTyr14, total
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human Phospho-Caveolin-1 (Tyr14) and Total Caveolin-1 ELISA Kit. This assay semi- quantitatively measures phophorylated Caveolin-1 (Tyr14) and Total Caveolin-1 in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human Caveolin-1 phosphorylated at site Tyrosine-14 as well as total Caveolin-1.
Characteristics:	 Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) 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

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	• Wash Buffer
	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:	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:	Caveolin-1 (CAV1)
Alternative Name:	Caveolin-1 (CAV1 Products)
Gene ID:	857
UniProt:	Q03135
Pathways:	Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2, Negative Regulation of Transporter Activity, VEGFR1 Specific Signals

Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	 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.
	5. Incubate 1 h at RT.

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	 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
Handling	
Storage:	-20 °C
Storage: Storage Comment:	 -20 °C 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.