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Datasheet for ABIN4886300

SMAD5 ELISA Kit



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Quantity:	96 tests	
Target:	SMAD5	
Binding Specificity:	pSer463, pSer465, total	
Reactivity:	Human	
Method Type:	Sandwich ELISA	
Application:	ELISA	
Product Details		
Purpose:	Human Phospho-SMAD5 (SER463/465) and Total SMAD5 ELISA Kit. This assay semi- quantitatively measures phophorylated SMAD5 (Ser463/465) and Total SMAD5 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 SMAD5 phosphorylated at site Serine-463/465 and total SMAD5.	
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	

- · 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:	SMAD5
Alternative Name:	SMAD5 (SMAD5 Products)
Gene ID:	4090
UniProt:	Q99717

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.	

Application Details

	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 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