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Datasheet for ABIN4886294

SMAD4 ELISA Kit



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96 tests SMAD4 pThr277, total Human	
pThr277, total	
Human	
Sandwich ELISA	
ELISA	
Human Phospho-SMAD4 (Thr277) and Total SMAD4 ELISA Kit. This assay semi-quantitatively measures phophorylated SMAD4 (Thr277) and Total SMAD4 in lysate samples.	
Cell Lysate, Tissue Lysate	
Semi-Quantitative	
Colorimetric	
This ELISA kit recognizes Human SMAD4 phosphorylated at site Threonine-277 as well as total SMAD4.	
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 	
Pre-Coated 96-well Strip Microplate	

- · 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:	SMAD4
Alternative Name:	SMAD4 (SMAD4 Products)
Gene ID:	4089
UniProt:	Q13485
Pathways:	Cell Division Cycle, Chromatin Binding, Autophagy

Application Details

Sample Volume:	100 μL	
cample volume.	100 pE	
Plate:	Pre-coated	
Protocol:	1. Prepare all reagents and samples as instructed in the manual.	
	2. Add 100 μ L 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	