

Datasheet for ABIN1571007

LEFTY1 ELISA Kit





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Quantity:	96 tests	
Target:	LEFTY1	
Reactivity:	Human	
Method Type:	Sandwich ELISA	
Detection Range:	0.781 ng/mL - 50 ng/mL	
Minimum Detection Limit:	0.781 ng/mL	
Application:	ELISA	
Product Details		
Purpose:	The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of LEFTY1 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.	
Sample Type:	Cell Culture Supernatant, Cell Lysate, Tissue Homogenate	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Specificity:	This assay has high sensitivity and excellent specificity for detection of this index.	
Cross-Reactivity (Details):	No significant cross-reactivity or interference between this index and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between this index and all the analogues, therefore, cross reaction may still exist.	
Sensitivity:	0.24 ng/mL	

Product Details

Components:

- Pre-coated, ready to use 96-well strip plate
- · Standard (freeze dried)
- · Standard Diluent
- · Detection Reagent A
- · Detection Reagent B
- · Assay Diluent A
- · Assay Diluent B
- TMB
- · Stop Solution
- Wash Buffer (30X)
- Plate sealer for 96 wells
- Instruction manual

Material not included:

- 1. Microplate reader with 450 ± 10nm filter.
- 2. Precision single or multi-channel pipettes and disposable tips.
- 3. Eppendorf Tubes for diluting samples.
- 4. Deionized or distilled water.
- 5. Absorbent paper for blotting the microtiter plate.
- 6. Container for Wash Solution.

Target Details

Target:	LEFTY1	
Alternative Name:	LEFTY1 (LEFTY1 Products)	
Background:	Alternative name: LEFTY-B, LEFTYB, LEFT-B, LEFTB, Left Right Determination Factor B	
Gene ID:	10637	
UniProt:	075610	

Application Details		
Sample Volume:	100 μL	
Assay Time:	1 - 4.5 h	
Plate:	Pre-coated	
Protocol:	1. Prepare all reagents, samples and standards	
	2. Add 100µL standard or sample to each well. Incubate 2 hours at 37°C	
	3. Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37°C	
	4. Aspirate and wash 3 times	
	5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37°C	

index. Standards or samples are then added to the appropriate microtiter plate wells with biotin-conjugated antibody preparation specific to the index. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TM substrate solution is added, only those wells that contain the index, biotin-conjugated and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reach terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of the indictive samples is then determined by comparing the 0.D. of the samples to the standard or intra-assay Precision (Precision within an assay). 3 samples with low, middle and high the index were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high the index were tested 0 n3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-assay: CV8lt10% Inter-assay: CV8lt10% Inter-assay: CV8lt10% For Research Use only The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, fac clothing protection when using this material. Handling Precaution of Use: The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit than 5 % within the expiration date under appropriate storage conditions. Note: To minin unnecessary influences on the performance, operation procedures and lab conditions, especially room temperature, air humidity and incubator temperatures should be strictly regulated. It is also strongly suggested that the whole assay is performed by the same experimenter from the beginning to the end. Storage: 4 °C-20 °C The Assay Plate, Standard, Detection Reagent A and Detection Reagent B should be storage: The Assay Plate, Standard, Detection Reagent A and Detection Reagent B should be storage:				
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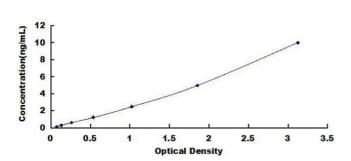
Handling

keep the whole kit at -20°C. The unused strips should be kept in a sealed bag with the desiccant provided to minimize exposure to damp air. The test kit may be used throughout the expiration date of the kit (six months from the date of manufacture). Opened test kits will remain stable until the expiring date shown, provided it is stored as prescribed above.

Expiry Date:

12 months

Images



ELISA

Image 1.