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ACVRL1 ELISA Kit



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Quantity:	96 tests
Target:	ACVRL1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.41-100 ng/mL
Minimum Detection Limit:	0.41 ng/mL
Application:	ELISA

Product Details

Purpose:	Mouse ALK-1 ELISA Kit for serum, plasma, and cell culture supernatant samples. Plasma, Cell Culture Supernatant, Serum	
Sample Type:		
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Specificity:	Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested:	
	Mouse B7-H2, BLAME, BMP-8, CD28, Common beta Chain (CD131), Contactin-1, Desmoglein-1,	
	Desmoglein-3, EDAR, EphA1, EphB6, Ephrin-B3, Epiregulin, FGF-12, FGF-17, FOLR2, Galectin-8,	
	Glypican 1, Glypican 5, GHR, IFNgamma R1, IL-22 R alpha 1, IL-22BP, IL-23 R, IL-31 RA, IL-7 R	
	alpha, Integrin alpha 5, MDM2, Nectin-1, NKp30, Nogo Receptor, Notch-3, OSM R beta, Prolactin	
	R, RELT, Ryk, Semaphorin 6D, Semaphorin 7A, Siglec-11.	
Characteristics:	Strip plates and additional reagents allow for use in multiple experiments	
	Quantitative protein detection	

Product Details

- · Establishes normal range
- · The best products for confirmation of antibody array data

Components:

- · Pre-Coated 96-well Strip Microplate
- · Wash Buffer
- · Stop Solution
- · Assay Diluent(s)
- · Lyophilized Standard
- · Biotinylated Detection Antibody
- · Streptavidin-Conjugated HRP
- · TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 μL to 1 μL volumes
- Adjustable 1-25 μL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- · 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:	ACVRL1
Alternative Name:	ALK-1 (ACVRL1 Products)
Gene ID:	20568
UniProt:	P97430

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples2 fold	
Sample Volume:	100 μL	
Plate:	Pre-coated	
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 μL of prepared biotin antibody to each well.	
	5. Incubate 1 h at RT.	

Application Details

	6. Add 100 μL 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:	-20 °C	
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.	
	recommended to store at 60 C.	
Expiry Date:	6 months	