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Datasheet for ABIN4883595

LGMN ELISA Kit



Overview

Quantity:	96 tests
Target:	LGMN
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	28.7-7.000 pg/mL
Minimum Detection Limit:	28.7 pg/mL
Application:	ELISA

Product Details	
Purpose:	Human Legumain ELISA Kit for serum, plasma, and cell culture supernatant samples.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: human 2B4 (CD244), ADAM-9, Angiopoietin-2, APRIL, BMP-2, BMP-9, C5a, Cathepsin L, CD200, CD97, Chemerin, DcR3, FABP2, FAP, FGF-19, Galectin-3, HGFR, IFN-alpha / beta R2, IGF-2, IGF-2 R, IL-1 R6 (IL-1 Rrp2), IL-24, IL-33 (IL-1 F11), Kallikrein 14.
Characteristics:	 Strip plates and additional reagents allow for use in multiple experiments Quantitative protein detection Establishes normal range The best products for confirmation of antibody array data

Product Details

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:	LGMN
Alternative Name:	Legumain (LGMN Products)
Gene ID:	5641
UniProt:	Q99538
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Activation of Innate immune Response, Toll- Like Receptors Cascades

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples10 fold
Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	 Prepare all reagents, samples and standards as instructed in the manual. Add 100 μL of standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C. Add 100 μL of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 μL of prepared Streptavidin solution to each well.

Application Details

	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