

## Produktinformation



Forschungsprodukte & Biochemikalien
Zellkultur & Verbrauchsmaterial
Diagnostik & molekulare Diagnostik
Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



Lieferung & Zahlungsart siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Human Legumain(LGMN) ELISA kit

Product Code	CSB-EL012903HU
Abbreviation	LGMN
Target Name	legumain
Uniprot No.	Q99538
Alias	AEP, LGMN1, PRSC1, asparaginyl endopeptidase cysteine protease 1 protease, cysteine, 1 (legumain)
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Target Names	LGMN
Tag Info	quantitative
Protein Length	Sandwich
Target Details	This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. This enzyme may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of this gene may be associated with the majority of solid tumor types. This gene has a pseudogene on chromosome 13. Several alternatively spliced transcript variants have been described, but the biological validity of only two has been determined. These two variants encode the same isoform.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10%

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Three samples of known concentration were tested in twenty assays to assess.

?	Intra-As	say Prec	ision	Inter-As	say Prec	ision
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(pg/ml)	517.073	505.781	486.170	497.353	507.189	517.073
SD	0.030	0.032	0.026	0.038	0.035	0.051
CV(%)	5.217	5.644	4.702	6.774	6.162	8.870

Linearity To assess the linearity of the assay, samples were spiked with high concentrations of human LGMN in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of ? Sample Serum(n=4) the assay. Average % 93 1:2 ~ ′

	Range %	85-102
1:4	Average %	90
	Range %	84-100
1:8	Average %	95
	Range %	85-102
1:16	Average %	95
	Range %	89-102



Typical



pg/mI OD1 OD2 Average Corrected 4000 2.300 2.312 2.306 2000 1.395 1.395 1.395 1000 0.886 0.855 0.870 0.719 500 0.581 0.593 0.587 0.436 250 0.369 0.351 0.360 0.209 125 0.260 0.262 0.261 0.110

0.060

62.5 0.205 0.216 0.211

0

0.154 0.148 0.151

assayed.

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