OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for EA290001

One-Wash Human NGAL ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	One-Wash Human NGAL ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	1.5 hours incubations; 10min washing and analyzing samples
Signal:	Colorimetric
Curve Range:	31pg/ml-2000pg/ml
Sample Type:	Human serum, plasma and urine.
Sample Volume:	50µl
Specificity:	This kit is used for quantitative detection of Human NGAL
Sensitivity:	< 8.5pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	• NGAL Antibody Coated 96-well Plate in foil pouch with desiccant|1 plate • Recombinant Human NGAL Standard (100ng/ml)|0.1 mL • HRP conjugated NGAL Detection Antibody|0.12 mL • Assay Buffer|60 mL • Wash Buffer Concentrate 20X|60 mL • TMB Substrate|12 mL • Stop Solution|12 mL

View online »

Background: Neutrophil gelatinase-associated lipocalin (NGAL) also called Lipocalin-2 (LCN2), is a protein that in humans is encoded by the LCN2 gene. NGAL belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. NGAL plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. NGAL can also be used as predictive biomarker for chronic kidney disease, contrast induced nephropathy, and delayed graft function following kidney transplantation.

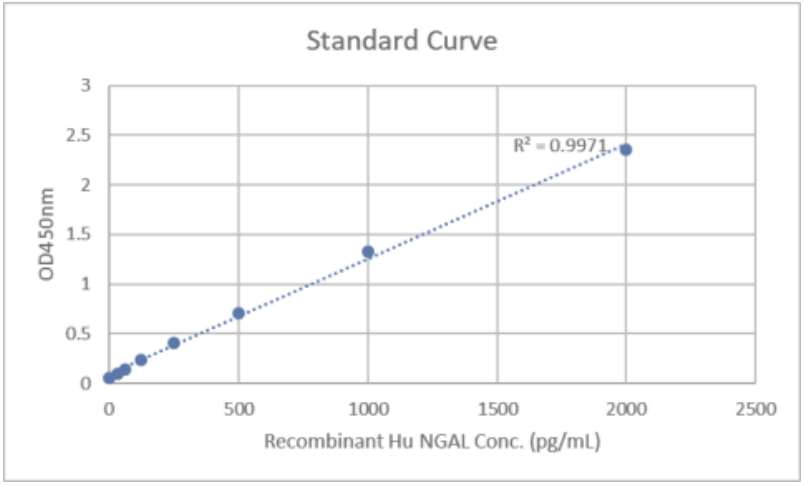
Gene Symbol: LCN2

Gene ID: 3934

Standard Curve:

NGAL Nimble90 ELISA Kit data image.

Product images:



NGAL Nimble90 ELISA Kit data image.