

Mouse Neutrophil gelatinase-associated lipocalin (NGAL) ELISA Kit

Catalog No: #EK10143

Orders: order@signalwayantibody.com

Package Size: #EK10143-1 48T #EK10143-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Neutrophil gelatinase-associated lipocalin (NGAL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	24p3; MSFI; NGAL; OTTHUMP00000022240 migration-stimulating factor inhibitor neutrophil gelatinase-associated lipocalin oncogene 24p3 siderocalin
Accession No.	P11672
Uniprot	P11672
GeneID	16819;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate LCN2 in samples. An antibody specific for LCN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LCN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LCN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LCN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:NGAL (neutrophil gelatinase-associated lipocalin) belongs to the lipocalin family of proteins. These are typically small secreted proteins characterized by their ability to bind small, hydrophobic molecules in a structurally conserved pocket formed by beta-pleated sheet, to bind to specific cell-surface receptors and to form macromolecular complexes. NGAL has many synonyms: it also known as NL (neutrophil lipocalin,HNL, rat NL), lipocalin, oncogene protein 24p3 or uterocalin (in the mouse) and neu-related lipocalin or 25 kDa alpha 2-microglobulin-related protein6 (in the rat). Rat NGAL consists of a single disulfide-bridged polypeptide chain of 178 amino-acid residues with a calculated molecular mass of 22 kDa, but glycosylation increases its apparent molecular mass to 25 kDa.

Note: This product is for in vitro research use only