

## Human Lipocalin-2/NGAL ELISA Kit (2 plates)

**Catalogue No.:** BEK-2141-2P

**Description:** The human Lipocalin-2 Kit is a sandwich ELISA. The capture antibody is a monoclonal human Lipocalin-2 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known Lipocalin-2 concentration are added to these wells and allowed to complex with the bound Lipocalin-2 antibody. A biotinylated anti-human Lipocalin-2 polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of Lipocalin-2 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human Lipocalin-2 in samples such as sera, plasma, urine, saliva and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Antigen:** The standard and antigen for this Lipocalin-2/NGAL ELISA is recombinant human Lipocalin-2/NGAL amino acids 21-N198 produced in an purified from a mammalian cell expression system.

**Other Names:** Neutrophil gelatinase-associated lipocalin; NGAL; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; p25; LCN2; HNL;

**Accession:** P80188 NGAL\_HUMAN;

**Specificity:** Human Lipocalin-2/NGAL

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

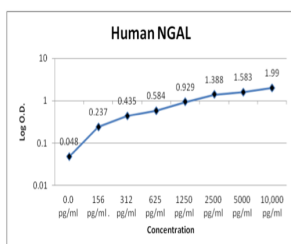
**Range:** 156 pg/ml - 10,000 pg/ml

**Sensitivity:** < 10 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

Concentration pg/ml	0.0 pg/ml	156 pg/ml	312 pg/ml	625 pg/ml	1250 pg/ml	2500 pg/ml	5000 pg/ml	10,000 pg/ml
O.D.	0.048	0.237	0.435	0.584	0.929	1.388	1.583	1.990

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



FOR RESEARCH USE ONLY