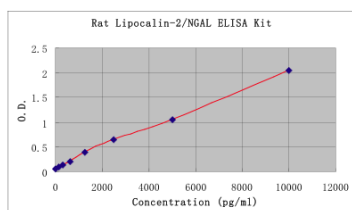


Rat Lipocalin-2/NGAL ELISA Kit (2 plates)

Catalogue No.:	BEK-2128-2P
Description:	The rat Lipocalin-2/NGAL Kit is a sandwich ELISA. The capture antibody is a polyclonal rat Lipocalin-2/NGAL antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known Lipocalin-2/NGAL concentration are added to these wells and allowed to complex with the bound Lipocalin-2/NGAL antibody. A biotinylated rat Lipocalin-2/NGAL 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/NGAL present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat Lipocalin-2/NGAL in samples such as sera, plasma, tissue lysates 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 rat Lipocalin-2/NGAL amino acids 21-N198 produced in an purified from a mammalian cell expression system.
Other Names:	Neutrophil gelatinase-associated lipocalin; NGAL; Alpha-2-microglobulin-related protein; Alpha-2U globulin-related protein; Lipocalin-2; p25; Lcn2;
Accession:	P30152 NGAL_RAT;
Applications:	For quantitative detection of rat Lipocalin-2/NGAL in tissue lysates or cell culture supernates. Sera and plasma have not been tested. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Rat 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:	< 15 pg/ml
Kit protocol:	Please refer to our online product listing for current protocol/MSDS versions.

Typical Rat NGAL ELISA Kit Standard Curve
(TMB reaction incubated at 37°C for 17 min)

Concentration (pg/ml)	0.0	156	313	625	1250	2500	5000	10,000
O.D.	0.051	0.095	0.141	0.207	0.385	0.647	1.046	2.046



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

FOR RESEARCH USE ONLY