Rat Intercellular adhesion molecule 1/ICAM-1/CD54 ELISA Kit (2 plates)

Catalogue No.:	BEK-2025-2P
Description:	The rat ICAM-1 Kit is a sandwich ELISA. The capture antibody is a mouse monoclonal ICAM-1 antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known ICAM-1 concentration are added to these wells and allowed to complex with the bound ICAM-1 antibody. A biotinylated rat ICAM-1 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 ICAM-1 present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat ICAM-1/CD54 in cell culture supernatants, cell lysates, serum, and heparin or EDTA treated plasma samples only when used as directed. 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 product used in this kit is recombinant rat ICAM-1/CD54, consisting amino acids 28-493 expressed in and purified from a mammalian cell expression system..
Other Names:	ICAM1; ICAM-1; Intercellular adhesion molecule 1; CD54; Icam1; Icam-1;
Accession:	Q00238 ICAM1_RAT;
Specificity:	Rat ICAM-1
Storage:	Store at 2-8C
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:	31.2 pg/mL - 2,000 pg/mL
Sensitivity:	< 2 pg/ml
Kit protocol:	Please refer to our online product listing for current protocol/MSDS versions.

IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml	2000 pg/ml
O.D.	0.030	0.083	0.129	0.235	0.437	0.845	1.378	2.021
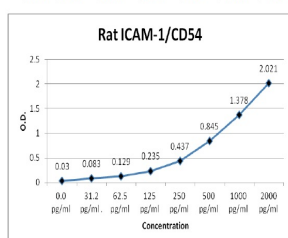
This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY