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Product Datasheet

Rat Intercellular Adhesion Molecule 1 (ICAM-1/CD54) ELISA Kit

BYT-ORB1806993

Article Name	Rat Intercellular Adhesion Molecule 1 (ICAM-1/CD54) ELISA Kit
Biozol Catalog Number	BYT-ORB1806993
Supplier Catalog Number	orb1806993
Alternative Catalog Number	BYT-ORB1806993-48,BYT-ORB1806993-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Intercellular Adhesion Molecule 1 (ICAM-1/CD54) ELISA Kit...
Range	0.31-20ng/mL
Sensitivity	0.19 ng/mL
UniProt	Q00238
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	ICAM1

Application Notes	Application Notes: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat ICAM-1/CD54. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat ICAM-1/CD54 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat ICAM-1/CD54, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm 2 nm. The OD value is proportional to the concentration of Rat ICAM-1/CD54. You can calculate the concentration of Rat ICAM-1/CD54 in the samples by comparing the OD of the samples to the standard curve