

Rat CD44 ELISA Kit | CD44 elisa kit

Rat CD44 (Cluster of Differentiation) ELISA Kit

CATALOG #
AAA163729

REACTIVITY
Rat

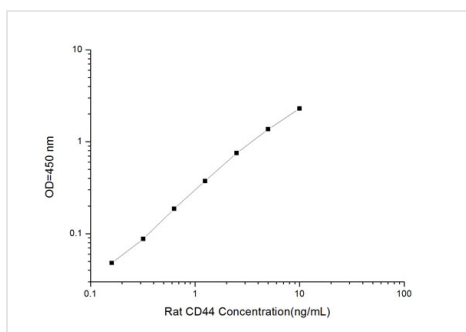
PRODUCT SYNONYMS

CD44; Rat CD44 (Cluster of Differentiation) ELISA Kit; CD44 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat CD44 in samples. No significant cross-reactivity or interference between Rat CD44 and analogues was observed.
Sequence Length	43
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat CD44 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat CD44 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD44 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat CD44 concentrations in serum, plasma and other biological fluids. Principle of the Assay: 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 CD44. 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 CD44 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 CD44, 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 CD44. You can calculate the concentration of Rat CD44 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	685122
NCBI GeneID	960
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	15,635 Da
NCBI Official Full Name	CD44, partial
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	CD44
NCBI Official Synonym Symbols	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
NCBI Protein Information	CD44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; cell surface glycoprotein CD44; chondroitin sulfate proteoglycan 8; epican; extracellular matrix receptor III; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; homing function and Indian blood group system; hyaluronate receptor; phagocytic glycoprotein 1
UniProt Protein Name	CD44 antigen
UniProt Gene Name	CD44
UniProt Synonym Gene Names	LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I
UniProt Entry Name	CD44_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.