

Rat CD44 ELISA Kit | CD44 elisa kit

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CATALOG #
AAA263155

REACTIVITY
Rat

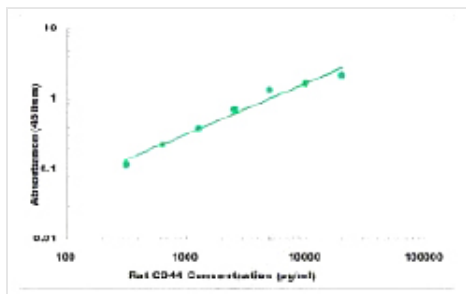
PRODUCT SYNONYMS

CD44; Rat CD44 ELISA Kit; LHR; MDU2; MDU3; MIC4; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; CD44 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CD44 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CD44 proteins within the range of 312 pg/ml - 20000 pg/ml.
Sequence Length	364
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD44 elisa kit	Principle of the Assay: The Rat CD44 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CD44 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat CD44 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD44 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CD44 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD44 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: CD44 is an integral cell membrane glycoprotein with a postulated role in matrix adhesion lymphocyte activation and lymph node homing. It contains 19 exons spanning 50 kb of genomic DNA. In humans, the CD44 antigen is encoded by the CD44 gene on Chromosome 11. The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	564342041
NCBI GeneID	25406
NCBI Accession #	XP_006234693.1
NCBI GenBank Nucleotide #	XM_006234631.3
UniProt Accession #	P26051; Q99021
Molecular Weight	39,794 Da
NCBI Official Full Name	CD44 antigen isoform X8
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	Cd44
NCBI Official Synonym Symbols	CD44A; META4; RHAMM
NCBI Protein Information	CD44 antigen
UniProt Protein Name	CD44 antigen
UniProt Gene Name	Cd44
UniProt Synonym Gene Names	ECMR-III; PGP-1; PGP-I
UniProt Entry Name	CD44_RAT

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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/cd44/263155>