

Rat CD44 antigen ELISA Kit | Cd44 elisa kit

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CATALOG #
AAA100720

REACTIVITY
Rat

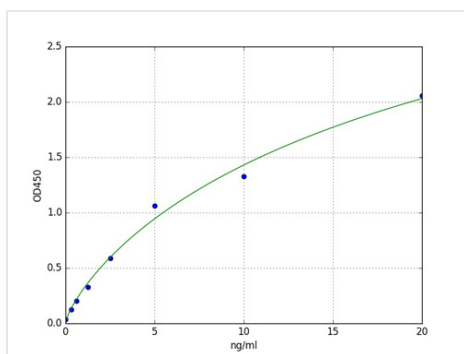
PRODUCT SYNONYMS

CD44 antigen; Rat CD44 antigen ELISA Kit; Cd44/ECMR-III/HCAM/HCELL/LHR/MDU2/MDU3/MIC4/MUTCH-I/Pgp1/CD44R/CDw44/CSPG8/Epican/HUTCH-I/Hyaluronate receptor/IN/LHR/MC56/PGP-1/PGP-I/Phagocytic glycoprotein 1/Phagocytic glycoprotein I/IN; Cd44 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	361
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Rat Cd44 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.015	0.140	0.274	0.441	0.878	1.184	2.008	2.106

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cd44 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Cd44 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Cd44 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Cd44 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Cd44 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21429241
NCBI GeneID	960
Molecular Weight	15,635 Da
NCBI Official Full Name	CD44 antigen
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/cd44-antigen/100720>