

Sheep Cluster of differentiation 44 ELISA Kit | CD44 elisa kit

Sheep Cluster of differentiation 44 ELISA Kit

CATALOG #
AAA95722

REACTIVITY
Sheep

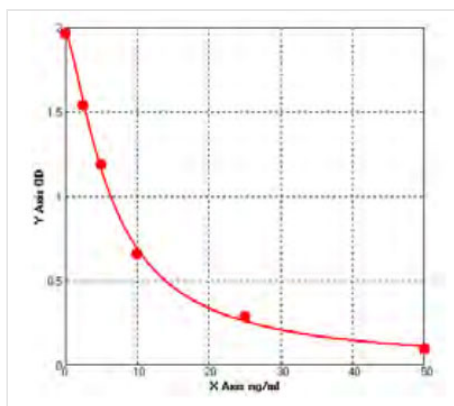
PRODUCT SYNONYMS

Cluster of differentiation 44; Sheep Cluster of differentiation 44 ELISA Kit; CD44 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of CD44. No significant cross-reactivity or interference between CD44 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD44 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD44 elisa kit	Principle of the Assay: CD44 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD44 antibody and an CD44-HRP conjugate. The assay sample and buffer are incubated together with CD44-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD44 concentration since CD44 from samples and CD44-HRP conjugate compete for the anti-CD44 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD44 from the sample, fewer sites are left to bind CD44-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD44 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD44 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CD44. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD44 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	685122
NCBI GeneID	960
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; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; chondroitin sulfate proteoglycan 8; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system
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/cd44-sheep-elisa-kits/cluster-of-differentiation-44/95722>