

Sheep CD97 ELISA Kit | CD97 elisa kit

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CATALOG #
AAA94289

REACTIVITY
Sheep

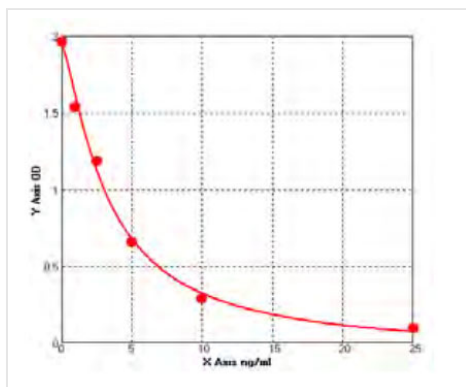
PRODUCT SYNONYMS

CD97; Sheep CD97 ELISA Kit; CD97 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of CD97. No significant cross-reactivity or interference between CD97 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD97 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
Intended Uses	This CD97 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CD97. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD97 elisa kit	Principle of the Assay: CD97 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD97 antibody and an CD97-HRP conjugate. The assay sample and buffer are incubated together with CD97-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 CD97 concentration since CD97 from samples and CD97-HRP conjugate compete for the anti-CD97 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD97 from the sample, fewer sites are left to bind CD97-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD97 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD97 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CD97. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD97 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978491
NCBI GeneID	976
NCBI Accession #	NP_510966.1
NCBI GenBank Nucleotide #	NM_078481.3
Molecular Weight	86,628 Da
NCBI Official Full Name	CD97 antigen isoform 1 preproprotein
NCBI Official Synonym Full Names	CD97 molecule
NCBI Official Symbol	CD97
NCBI Official Synonym Symbols	TM7LN1
NCBI Protein Information	CD97 antigen; leukocyte antigen CD97; seven-span transmembrane protein; seven transmembrane helix receptor; seven-transmembrane, heterodimeric receptor associated with inflammation
UniProt Protein Name	CD97 antigen
UniProt Gene Name	CD97
UniProt Entry Name	CD97_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.

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Online datasheet: <https://stage.aaabiotech.com/sheep-elisa-kits/cd97/94289>