

Sheep Cluster of Differentiation 8 ELISA Kit | CD8 elisa kit

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CATALOG #
AAA90082

REACTIVITY
Sheep

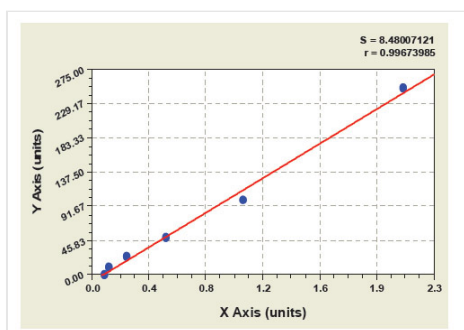
PRODUCT SYNONYMS

Cluster of Differentiation 8; Sheep Cluster of Differentiation 8 ELISA Kit; CD8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Highest Standards	250ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD8 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CD8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CD8. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CD8 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CD8. Standards or samples are then added to the microtiter plate wells and CD8 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CD8 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CD8 are added to each well to “sandwich” the CD8 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CD8 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD8 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD8 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	178673
NCBI GeneID	926
Molecular Weight	22,237 Da
NCBI Official Full Name	CD8 antigen, partial
NCBI Official Synonym Full Names	CD8b molecule
NCBI Official Symbol	CD8B
NCBI Official Synonym Symbols	LY3; P37; LEU2; LYT3; CD8B1
NCBI Protein Information	T-cell surface glycoprotein CD8 beta chain; CD8 antigen, beta polypeptide 1 (p37); T lymphocyte surface glycoprotein beta chain
UniProt Protein Name	T-cell surface glycoprotein CD8 beta chain
UniProt Gene Name	CD8B
UniProt Synonym Gene Names	CD8B1
UniProt Entry Name	CD8B_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.