

Human Cluster of Differentiation 4 ELISA Kit | CD4 elisa kit

Human Cluster of Differentiation 4 ELISA Kit

CATALOG #
AAA85406

REACTIVITY
Human

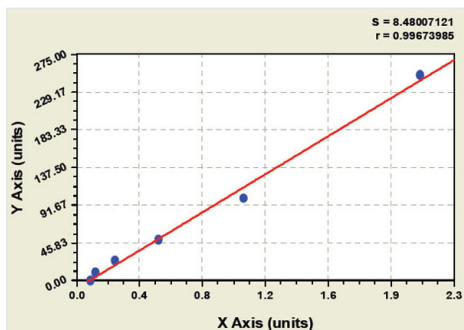
PRODUCT SYNONYMS

Cluster of Differentiation 4; Human Cluster of Differentiation 4 ELISA Kit; CD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This CD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD4. 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 CD4 elisa kit

Principle of the assay: CD4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CD4. Standards or samples are then added to the microtiter plate wells and CD4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CD4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CD4 are added to each well to "sandwich" the CD4 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 CD4 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 CD4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	304650860
Molecular Weight	53,053 Da
NCBI Official Full Name	cluster of differentiation 4
UniProt Protein Name	Cluster of differentiation 4
UniProt Gene Name	CD4
UniProt Entry Name	G3CLP6_EPICO

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.