

Mouse Cluster of Differentiation 4 ELISA Kit | CD4 elisa kit

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CATALOG #
AAA83399

REACTIVITY
Mouse

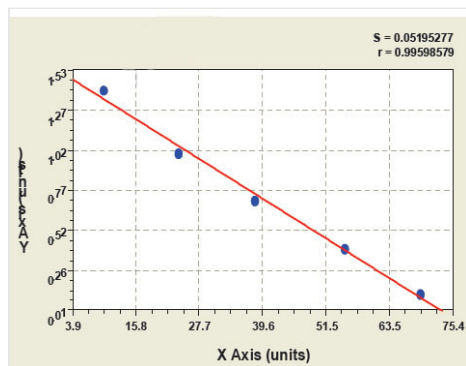
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-CD4 antibody and an CD4-HRP conjugate. The assay sample and buffer are incubated together with CD4-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 CD4 concentration since CD4 from samples and CD4-HRP conjugate compete for the anti-CD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD4 from the sample, fewer sites are left to bind CD4-HRP conjugate. 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.

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Online datasheet: <https://stage.aaabiotech.com/cd4-mouse-elisa-kits/cluster-of-differentiation-4/83399>