

Rat Cluster of differentiation 4 ELISA Kit | CD4 elisa kit

Rat Cluster of differentiation 4 ELISA Kit

CATALOG # AAA82506	REACTIVITY Rat
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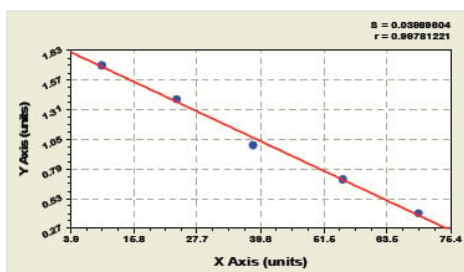
PRODUCT SYNONYMS

Cluster of differentiation 4; Rat Cluster of differentiation 4 ELISA Kit; Rat Cluster of differentiation 4 ELISA Kit (CD4); Cluster of differentiation 4 (Rat); CD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CD4+ ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CD4+. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



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.
Product Categories/Family for CD4 elisa kit	Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	3947700
NCBI GeneID	920
UniProt Accession #	Q13969; P01730; Q6LCP8
Molecular Weight	7,844 Da
NCBI Official Full Name	CD4
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); OTTHUMP00000238897; T-cell surface antigen T4/Leu-3
UniProt Protein Name	CD4 protein
UniProt Gene Name	CD4
UniProt Synonym Gene Names	CD4 receptor
UniProt Entry Name	Q13969_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/cd4-rat-elisa-kits/cluster-of-differentiation-4/82506>