

Rat CD4 molecule ELISA Kit | CD4 elisa kit

Rat cluster of differentiation 4, CD4 ELISA Kit

CATALOG #
AAA80433

REACTIVITY
Rat

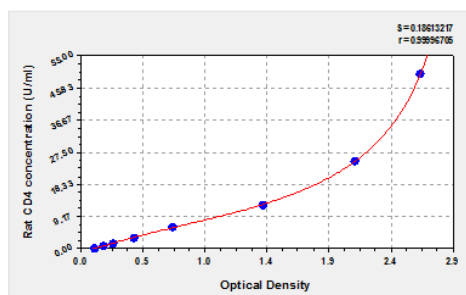
PRODUCT SYNONYMS

CD4 molecule; Rat cluster of differentiation 4; CD4 ELISA Kit; CD4mut; CD4 antigen; CD4 antigen (p55) ; CD4 receptor; CD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat CD4. No significant cross-reactivity or interference between rat CD4 and analogues was observed.
Sequence Length	459
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.78 U/ml-50 U/ml.
Sensitivity	The minimum detectable dose of rat CD4 is typically less than 0.2 U/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD4 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723229
NCBI GeneID	100009152
NCBI Accession #	NP_001075782.1
NCBI GenBank Nucleotide #	NM_001082313.2
UniProt Accession #	P46630
Molecular Weight	50,886 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
NCBI Official Symbol	CD4
NCBI Protein Information	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_RABIT

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://www.aaabiotech.com/rat-elisa-kits/cd4-molecule/80433>