

Mouse Cluster of differentiation 3 ELISA Kit | CD3 elisa kit

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CATALOG #
AAA82230

REACTIVITY
Mouse

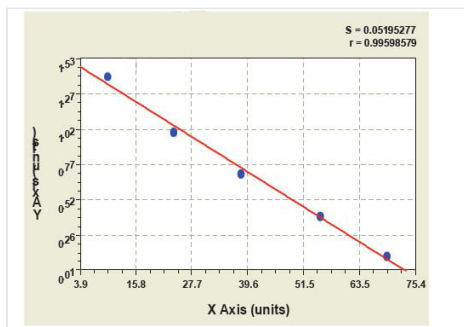
PRODUCT SYNONYMS

Cluster of differentiation 3; Mouse Cluster of differentiation 3 ELISA Kit; CD3 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 CD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD3. 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 CD3 elisa kit

Principle of the Assay: CD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD3 antibody and an CD3-HRP conjugate. The assay sample and buffer are incubated together with CD3-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 He. 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 CD3 concentration since CD3 from samples RP conjugate compete for the anti-CD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD3 from the sample, fewer sites are left to bind CD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD3 concentration in each sample is interpolated from this curve.

Product Categories/Family for CD3 elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1914807
UniProt Accession #	P79951; O13176
Molecular Weight	18,897 Da
NCBI Official Full Name	cd3
UniProt Protein Name	CD3gamma/delta
UniProt Gene Name	cd3g
UniProt Synonym Gene Names	cd3; cd3g-a
UniProt Entry Name	P79951_XENLA

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/cd3-mouse-elisa-kits/cluster-of-differentiation-3/82230>