

Monkey Cluster of Differentiation 74 ELISA Kit | CD74 elisa kit

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CATALOG #
AAA95216

REACTIVITY
Monkey

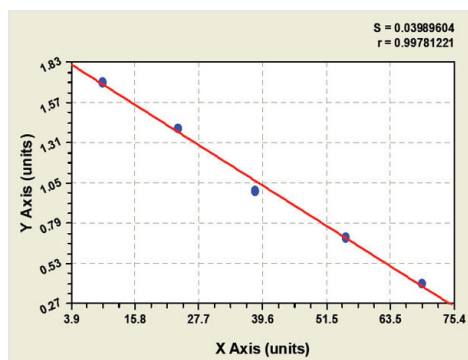
PRODUCT SYNONYMS

Cluster of Differentiation 74; Monkey Cluster of Differentiation 74 ELISA Kit; CD74 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CD74 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CD74. 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 CD74 elisa kit

Principle of the Assay: CD74 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD74 antibody and an CD74-HRP conjugate. The assay sample and buffer are incubated together with CD74-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 CD74 concentration since CD74 from samples and CD74-HRP conjugate compete for the anti-CD74 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD74 from the sample, fewer sites are left to bind CD74-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD74 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD74 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119582135
NCBI GeneID	972
Molecular Weight	18,328 Da
NCBI Official Full Name	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated), isoform CRA_c
NCBI Official Synonym Full Names	CD74 molecule, major histocompatibility complex, class II invariant chain
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain; p33; HLA-DR-gamma; MHC HLA-DR gamma chain; Ia-associated invariant chain; gamma chain of class II antigens; HLA-DR antigens-associated invariant chain; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
UniProt Protein Name	HLA class II histocompatibility antigen gamma chain
UniProt Gene Name	CD74
UniProt Synonym Gene Names	DHLAG; li
UniProt Entry Name	HG2A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cd74-monkey-elisa-kits/cluster-of-differentiation-74/95216>