

Human Cluster Of Differentiation 74 (CD74) ELISA Kit | CD74 elisa kit

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CATALOG #
AAA188158

REACTIVITY
Human

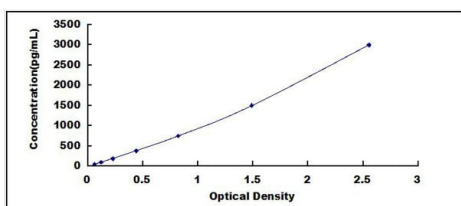
PRODUCT SYNONYMS

Cluster Of Differentiation 74 (CD74); Human Cluster Of Differentiation 74 (CD74) ELISA Kit; MHCDG; HLA-DG; HLADG; DHLAG; Ia-GAMMA; HLA class II histocompatibility antigen gamma chain; Ia antigen-associated invariant chain; HLA-DR antigens-associated invariant chain; CD74 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cluster Of Differentiation 74 (CD74). No significant cross-reactivity or interference between Cluster Of Differentiation 74 (CD74) and analogues was observed.
Sequence Length	296
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	46.88-3,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 18.73pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cluster Of Differentiation 74 (CD74) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Cluster Of Differentiation 74 (CD74) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD74 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cluster Of Differentiation 74 (CD74). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cluster Of Differentiation 74 (CD74). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cluster Of Differentiation 74 (CD74), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cluster Of Differentiation 74 (CD74) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20178292
NCBI GeneID	972
UniProt Accession #	P04233
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain
NCBI Official Synonym Full Names	CD74 molecule
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; p33; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cluster-of-differentiation-74-cd74/188158>