

Human CD74 molecule, major histocompatibility complex, class II invariant chain ELISA Kit | CD74 elisa kit

Human HLA class II histocompatibility antigen gamma chain, CD74 ELISA Kit

CATALOG #

AAA18168

REACTIVITY

Human

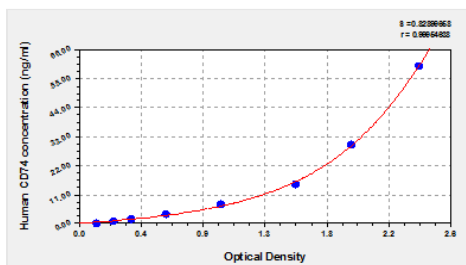
PRODUCT SYNONYMS

CD74 molecule; major histocompatibility complex; class II invariant chain; Human HLA class II histocompatibility antigen gamma chain; CD74 ELISA Kit; Human HLA class II histocompatibility antigen gamma chain (CD74) ELISA kit; DHLAG; HLADG; Ia-GAMMA; CD74 antigen; CD74 antigen (invariant polypeptide of major histocompatibility complex; class II antigen-associated) ; HLA-DR-gamma; Ia-associated invariant chain; MHC HLA-DR gamma; CD74 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CD74. No significant cross-reactivity or interference between human CD74 and analogues was observed.
Sequence Length	160
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.9 ng/ml -60 ng/ml
Sensitivity	<0.225 ng/ml
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 CD74 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD74 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD74 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD74 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 CD74 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 #	68448537
NCBI GeneID	972
NCBI Accession #	NP_001020329.1
NCBI GenBank Nucleotide #	NM_001025158.2
UniProt Accession #	P04233; Q14597; Q29832; Q5U0J8; Q8SNA0; Q8WLP6; A8K7R1; B4DNE8; D3DQG3; D3DQG4
Molecular Weight	33,516 Da
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain isoform 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.