

## ARG83238 Human CD74 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83238 Human CD74 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cd74 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD74
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.5%
Alternate Names	DHLA2; Ii; CD antigen CD74; Ii; HLA-DR antigens-associated invariant chain; Ia-GAMMA; Ia antigen-associated invariant chain; HLA class II histocompatibility antigen gamma chain; p33; HLADG

### Application Instructions

Assay Time	~ 5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

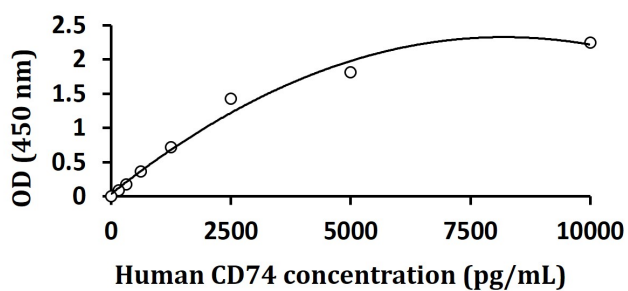
Gene Symbol	CD74
Gene Full Name	CD74 molecule, major histocompatibility complex, class II invariant chain
Background	The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by

RefSeq, Aug 2011]

Function	Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF. [UniProt]
Research Area	Immune System antibody
PTM	N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.
Cellular Localization	Cell membrane

## Images

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ARG83238 Human CD74 ELISA Kit standard curve image

ARG83238 Human CD74 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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