

## ARG22177 anti-CD74 antibody [LN2] (PE)

Package: 50 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [LN2] recognizes CD74
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	Human CD74
Host	Mouse
Clonality	Monoclonal
Clone	LN2
Isotype	IgG1, kappa
Target Name	CD74
Species	Human
Immunogen	Cell line SU-DHL-4 nuclei
Conjugation	PE
Alternate Names	DHLAG; 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

Application table	Application	Dilution
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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**Database links**

[GeneID: 972 Human](#)

[Swiss-port # P04233 Human](#)

**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 (A $\beta$ ). 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]

**Calculated Mw**

34 kDa

**PTM**

N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.