

**CD74 (PN0271) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0505
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA;FCM
<b>Target :</b>	CD74
<b>Gene Name :</b>	CD74 DHLAG
<b>Protein Name :</b>	HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain) (Ia antigen-associated invariant chain) (Ii) (CD antigen CD74) [Cleaved into: Class-II-associated invar
<b>Human Gene Id :</b>	972
<b>Human Swiss Prot No :</b>	P04233
<b>Immunogen :</b>	Purified recombinant Human CD74
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD74 protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000;FCM 1-2µg/Test
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Background :</b>	The protein encoded byThis 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 compartments where peptide loading of class II takes place.,similarity:Contains 1 thyroglobulin type-1 domain.,subunit:Nonamer composed of three alpha/beta/gamma heterotrimers.,

**Subcellular Location :**

Cell membrane ; Single-pass type II membrane protein . Endoplasmic reticulum membrane. Golgi apparatus, trans-Golgi network. Endosome. Lysosome. Transits through a number of intracellular compartments in the endocytic pathway. It can either undergo proteolysis or reach the cell membrane.; [Isoform p41]: Late endosome . Lysosome .

**Expression :**

[Isoform p41]: In B cells, represents 1% of total CD74 expression. ; [Isoform p33]: In B cells, represents 7% of total CD74 expression.

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