

CD72 (PN0231) Nb-FC recombinant antibody

Catalog No :	YA0491
Reactivity :	Human
Applications :	ELISA;FCM
Target :	CD72
Gene Name :	CD72
Protein Name :	B-cell differentiation antigen CD72 (Lyb-2) (CD antigen CD72)
Human Gene Id :	971
Human Swiss Prot No :	P21854
Immunogen :	Purified recombinant Human CD72
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD72 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000 FCM 1-2µg/Test
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	B_Cell_Antigen;
Background :	CD72 is a disulfide-linked homodimer belonging to C-type lectin family. CD72 is a pan-B cell marker expressed on pre-pre-B cells throughout B cell differentiation

with the exception of plasma cells. It is also expressed on follicular dendritic cells, splenic red pulp macrophages (but not on peripheral blood monocytes), and liver Kupffer cells. CD72, a negative coreceptor of B cells, contains immunoreceptor tyrosine-based inhibitory motifs in the cytoplasmic domain which has been shown to recruit the tyrosine phosphatase SHP-1. Ligation of CD72 with its ligand regulates CD72 tyrosine dephosphorylation and SHP-1 dissociation to promote B cell activation and proliferation. CD100 and CD5 have been shown to be CD72 ligands. The CD100-CD72 interaction plays a role in maintenance of B cell homeostasis.

Function :

Plays a role in B-cell proliferation and differentiation. Associates with CD5.,online information:CD72,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer; disulfide-linked.,tissue specificity:Pre-B-cells and B-cells but not terminally differentiated plasma cells.,

Subcellular Location :

Membrane; Single-pass type II membrane protein.

Expression :

Pre-B-cells and B-cells but not terminally differentiated plasma cells.

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