

CD72 (PN0228) Nb-FC recombinant antibody

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| Catalog No : | YA0488 |
| 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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