

**CD72 (PN0230) Nb-FC recombinant antibody**

|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YA0490   |
| <b>Reactivity :</b>          | Human  |
| <b>Applications :</b>        | ELISA;FCM  |
| <b>Target :</b>              | CD72   |
| <b>Gene Name :</b>           | CD72   |
| <b>Protein Name :</b>        | B-cell differentiation antigen CD72 (Lyb-2) (CD antigen CD72)  |
| <b>Human Gene Id :</b>       | 971  |
| <b>Human Swiss Prot No :</b> | P21854   |
| <b>Immunogen :</b>           | Purified recombinant Human CD72  |
| <b>Specificity :</b>         | This recombinant monoclonal antibody can detects endogenous levels of CD72 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>Cell Pathway :</b>        | B_Cell_Antigen;  |
| <b>Background :</b>          | 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.

## Products Images

