

CD38 (PTR1380) recombinant Mouse mAb

CatalogNo: YM4235 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- Flow Cyt, ELISA

Isotype

- IgG1, Kappa

Recommended Dilution Ratios

ELISA 1:5000-100000

Flow Cyt 1-2µg/Test

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Clonality Monoclonal

Clone Number PTR1380

Immunogen Information

Immunogen Purified recombinant Human CD38

Specificity This recombinant monoclonal antibody can detect endogenous levels of CD38 protein.

Target Information

| | | | |
|------------------------------|--|----------------------|-------------------------|
| Gene name | CD38 | | |
| Protein Name | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 (2'-phospho-ADP-ribosyl cyclase) (2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase) (2'-phospho-cyclic-ADP-ribose transferase) (ADP-ribosyl cyclase 1) (ADPRC 1) (Cyclic ADP-ribose hydrolase 1) (cADPr hydrolase 1) (T10) (CD antigen CD38) | | |
| | Organism | Gene ID | UniProt ID |
| | Human | 952; | P28907; |
| Cellular Localization | Membrane; Single-pass type II membrane protein. | | |
| Tissue specificity | Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. | | |
| Function | Catalytic activity:NAD(+) + H(2)O = ADP-ribose + nicotinamide.,developmental stage:Preferentially expressed at both early and late stages of the B and T-cell maturation. It is also detected on erythroid and myeloid progenitors in bone marrow, where the level of surface expression was shown to decrease during differentiation of blast-forming unit E to colony-forming unit E.,enzyme regulation:ATP inhibits the hydrolyzing activity.,Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.,online information:CD38 entry,similarity:Belongs to the ADP-ribosyl cyclase family.,tissue specificity:Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma., | | |

Validation Data

Contact information

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CD38 (PTR1380)
recombinant Mouse mAb

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