

CD38 (PT0361R) PT™ Rabbit mAb

CatalogNo: YM8214 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 34kD (Calculated)
- 45-60kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:10000-1:30000**WB 1:1000-1:5000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality Monoclonal**Clone Number** PT0361R

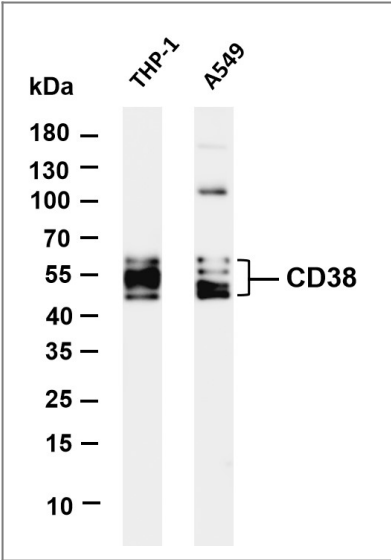
Immunogen Information

Specificity Endogenous

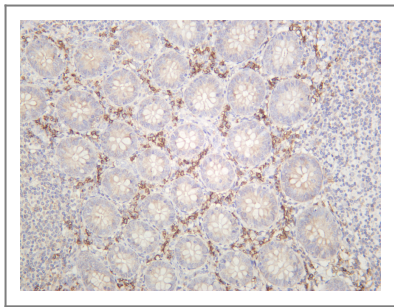
Target Information

Gene name	CD38		
Protein Name	ADP-ribosyl cyclase 1		
	Organism	Gene ID	UniProt ID
	Human	952;	P28907;
	Mouse		P56528;
Cellular Localization	Membrane		
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.,Function: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.,		

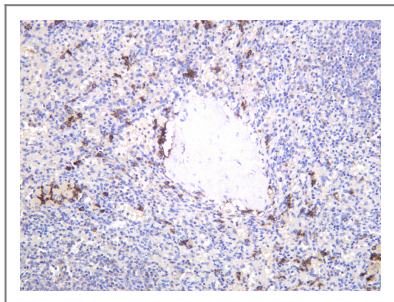
Validation Data



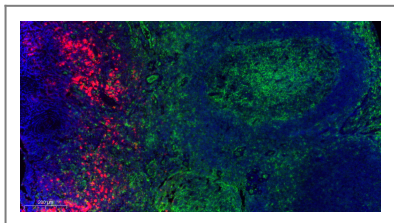
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD38 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: THP-1 Lane 2: A549 Predicted band size: 34kDa Observed band size: 45-65kDa



Human appendix was stained with anti-CD38 rabbit antibody



Human spleen was stained with anti-CD38 rabbit antibody



Fluorescence multiplex immunohistochemical analysis of human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Sextuple-Fluorescence kit (RS0039, Immunoway). CD38 rabbit mAb (RED) and CD14 rabbit mAb (GREEN) was tested with different TSA Fluorescence reagent. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Excilone).

Contact information

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CD38 (PT0361R)
PT™ Rabbit mAb

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