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## CD38 Rabbit pAb

Catalog Number: bs-0979R

Target Protein: CD38

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 34 kDa

Detected MW: 45 kDa

Source: KLH conjugated synthetic peptide derived from mouse CD38: 101-200/304.

Purification: affinity purified by Protein A

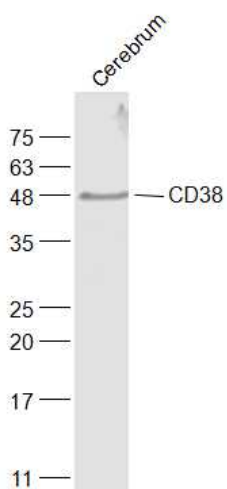
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

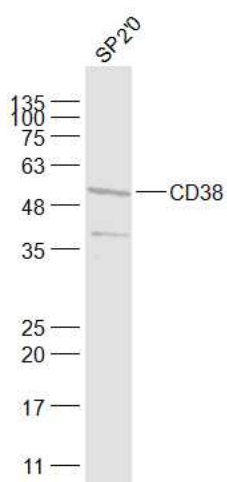
**Background:** The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

### VALIDATION IMAGES

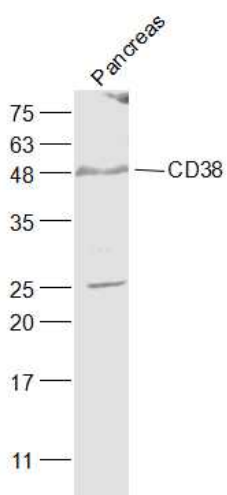
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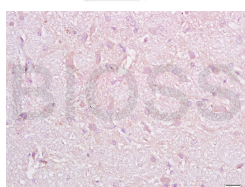
Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-CD38 (bs-0979R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 48 kD



Sample: SP2/0(Mouse) Cell Lysate at 30 ug Primary: Anti-CD38 (bs-0979R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 54 kD



Sample: Pancreas (Mouse) Lysate at 40 ug Primary: Anti-CD38 (bs-0979R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 48 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CD38 Polyclonal Antibody, Unconjugated(bs-0979R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## PRODUCT SPECIFIC PUBLICATIONS

[IF=14.919] Jinfeng Wang. et al. Translocation of vaginal microbiota is involved in impairment and protection of uterine health. Nat

Commun. 2021 Jul;12(1):1-15 IF ; Rat . 34234149

[IF=4.966] Santoshi Muppala et al. The P387 thrombospondin - 4 variant promotes accumulation of macrophages in atherosclerotic lesions. FASEB J . 2020 Sep;34(9):11529-11545. IHC,IF ; mouse . 32686880

[IF=1.257] Moridera K et al. Skeletal unloading reduces cluster of differentiation (CD) 38 expression in the bone marrow and osteoblasts of mice. J Orthop Sci. 2019 May 6. ICC ; Mouse . 31072650