

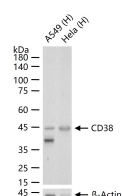
bsm-52623R**[Primary Antibody]****BioSS**
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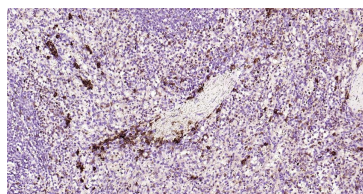
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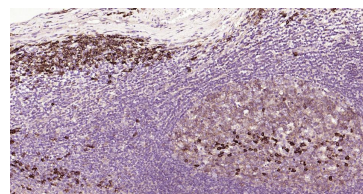
400-901-9800

CD38 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 952**Target:** CD38**Immunogen:** A synthesized peptide derived from human CD38: 250-300.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**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]**Isotype:** IgG**CloneNo.:** 10A10**SWISS:** P28907**Applications:** **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1:20-50)
ICC/IF (1:50-200)**Reactivity:** Human**Predicted MW.:** 34 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

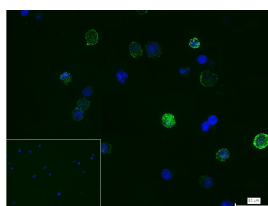
25 µg total protein per lane of various lysates (see on figure) probed with CD38 monoclonal antibody, unconjugated (bsm-52623R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



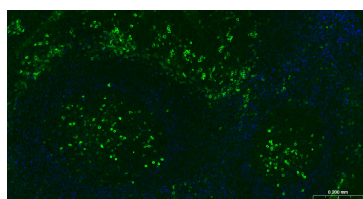
Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD38 Monoclonal Antibody, Unconjugated (bsm-52623R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



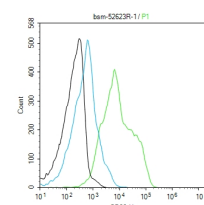
Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD38 Monoclonal Antibody, Unconjugated (bsm-52623R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Daudi (H) cell; Antibody incubation with (CD38) monoclonal Antibody, unconjugated (bsm-52623R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD38 Monoclonal Antibody, Unconjugated (bsm-52623R) at 1:200

The Daudi (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-CD38 antibody (bsm-52623R); 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.