

bsm-60638R**[Primary Antibody]**

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CD20 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 931**Target:** CD20**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: CD20 is a non glycosylated protein with a molecular weight of 35 or 37 kDa depending on the degree of phosphorylation. Although not a member of the tetraspanin superfamily of cell surface receptors, it crosses the cell membrane four times. The CD20 antigen is present on human pre B lymphocytes and on B lymphocytes at all stages of maturation, except on plasma cells. Low level expression of the CD20 antigen has been detected on normal T lymphocytes. The CD20 molecule is involved in regulation of B cell differentiation, presumably via its reported function as a Ca++ channel subunit.

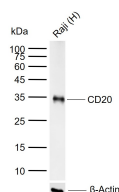
Isotype: IgG**CloneNo.:** 5D10**SWISS:** P11836

Applications: **WB** (1:1000-5000)
IHC-P (1:200-1000)
IHC-F (1:400-800)
IF (1:100-500)
Flow-Cyt (1ug/Test)
ICC/IF (1:100-500)

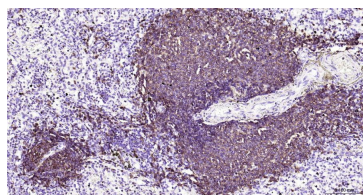
Reactivity: Human, Mouse, Rat

Predicted MW.: 33 kDa

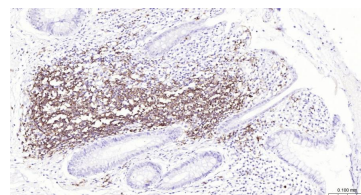
Subcellular Location: Cell membrane

— VALIDATION IMAGES —

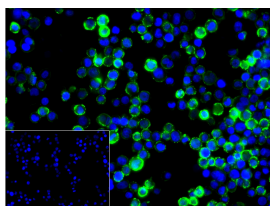
Sample: Lane 1: Human Raji cell lysates Primary: Anti-CD20 (bsm-60638R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kDa
Observed band size: 35 kDa



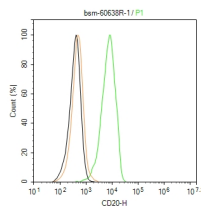
Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD20) Monoclonal Antibody, Unconjugated (bsm-60638R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD20) Monoclonal Antibody, Unconjugated (bsm-60638R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



4% Paraformaldehyde-fixed Raji (H) cell; Antibody incubation with (CD20) monoclonal Antibody, unconjugated (bsm-60638R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the



The Raji (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.) , followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CD20 antibody (bsm-60638R): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank

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

primary antibody was used as the blank control.

control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=5.4]** Cuiping Xu. et al. Comparison of the components of fresh *Panax notoginseng* processed by different methods and their anti-anemia effects on cyclophosphamide-treated mice. J ETHNOPHARMACOL. 2024 Apr;;118148 IF ;Mouse. 38583734