

bs-1514R**[Primary Antibody]****CD33 Rabbit pAb****Bioss**
ANTIBODIES

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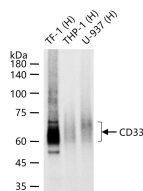
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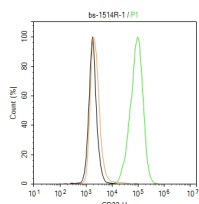
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DATASHEET

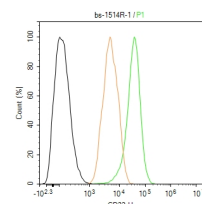
Host: Rabbit Clonality: Polyclonal GeneID: 12489 Target: CD33 Immunogen: KLH conjugated synthetic peptide derived from mouse CD33: 101-200/334. < Extracellular > Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Enables protein phosphatase binding activity and sialic acid binding activity. Involved in several processes, including negative regulation of cytokine production; negative regulation of monocyte activation; and positive regulation of protein tyrosine phosphatase activity. Located in several cellular components, including Golgi apparatus; external side of plasma membrane; and peroxisome. [provided by Alliance of Genome Resources, Apr 2022]	Isotype: IgG SWISS: Q63994	Applications: WB (1:500-2000) Flow-Cyt (1:100-200) Reactivity: Human Predicted MW.: 40/37 kDa Observed MW.: 60-70 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

25 ug total protein per lane of various lysates (see on figure) probed with CD33 polyclonal antibody, unconjugated (bs-1514R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



The TF-1 (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-CD33 antibody (bs-1514R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.



The THP-1 (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-CD33 antibody (bs-1514R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=5.97]** Jiang et al. Involvement of p38 in signal switching from autophagy to apoptosis via the PERK/eIF2α/ATF4 axis in selenite-treated NB4 cells. (2014) Cell.Death.Dis. 5:e1270 IHC ;Mouse. 24874742
- **[IF=4.46]** Shi Kejian. et al. Sodium selenite alters microtubule assembly and induces apoptosis in vitro and in vivo. J HEMATOL ONCOL. 2013 Dec;6(1):1-9 WB ;Human. 23327530
- **[IF=4.24]** Shan, Wulin, et al. "LukS-PV, a component of Pantan-Valentine leukocidin, exerts potent activity against acute myeloid leukemia in vitro and in vivo." The International Journal of Biochemistry & Cell Biology (2015). IHC ;"Mouse". 25601295
- **[IF=3.4]** Vallejo-Cremades Mayte. et al. Toll-like receptors ligand immunomodulators for the treatment congenital diaphragmatic hernia. ORPHANET J RARE DIS. 2024 Dec;19(1):1-16 IHC ;Rat. 39425191

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

- **[IF=3.057]** Katarzyna Sikorska et al. The Impact of Ag Nanoparticles and CdTe Quantum Dots on Expression and Function of Receptors Involved in Amyloid- β Uptake by BV-2 Microglial Cells. *Materials (Basel)* . 2020 Jul 20;13(14):3227. FCM ;mouse. 32698417