bs-1514R **[Primary Antibody]**

CD33 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 12489 **SWISS:** Q63994

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]

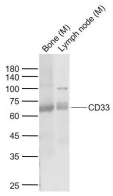
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Mouse

Predicted MW.: 40/37 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Bone (Mouse) Lysate at 40 ug
Lane 2: Lymph node (Mouse) Lysate at 40 ug
Primary: Anti-CD33 (bs-1514R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40/37 kD
Observed band size: 65 kD

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." Journal of hematology & oncology 6.1 (2013): 1-9. WB ;Human. 23327530
- **[IF=4.24]** Shan, Wulin, et al. "LukS-PV, a component of Panton-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=2.936]** Han Y et al. Chemical metabolomics for investigating the protective effectiveness of Acanthopanax senticosus Harms leaf against acute promyelocytic leukemia.RSC Adv., 2018, 8, 11983. IHC ;Mouse. 10.1039/c8ra01029c
- **[IF=3.057]** Katarzyna Sikorskaet 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