bs-2386R

- DATASHEET -

[Primary Antibody]

CD47 Rabbit pAb

Bio'ss ANTIBODIES

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Applications: WB (1:500-2000) Flow-Cyt (2µg/Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit)

Predicted MW.: ^{33 kDa}

Subcellular Location: Cell membrane

Clonality: Polyclonal

Host: Rabbit

SWISS: Q08722

Isotype: IgG

GenelD: 961 Target: CD47

Immunogen: KLH conjugated synthetic peptide derived from human CD47/MER6: 241-323/323.

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: This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]

- VALIDATION IMAGES



Sample: Lane 1: Heart (Mouse) Lysate at 40 ug Lane 2: Kidney (Mouse) Lysate at 40 ug Primary: Anti-CD47 (bs-2386R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD Observed band size: 47 kD



Blank control: MCF-7. Primary Antibody (green line): Rabbit Anti-CD47 antibody (bs-2386R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) . Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µg in 100 µL1X PBS containing 0.5% BSA(green).

- SELECTED CITATIONS -

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- [IF=14.903] Chang Xiao. et al. Engineering cannabidiol synergistic carbon monoxide nanocomplexes to enhance cancer therapy via excessive autophagy. ACTA PHARM SIN B. 2023 May;: WB ;Mouse. 10.1016/j.apsb.2023.05.019

- [IF=15.304] Chunliang Zhang. et al. Red blood cell membrane-functionalized Nanofibrous tubes for small-diameter vascular grafts. BIOMATERIALS. 2023 Apr;:122124 WB ;Rabbit. 37087981
- [IF=10.652] Zhe Zhang. et al. Biomimetic carrier-free nanoparticle delivers digoxin and doxorubicin to exhibit synergetic antitumor activity in vitro and in vivo. Chem Eng J. 2021 Feb;406:126801 WB ;Human. 10.1016/j.cej.2020.126801