

bs-2386R**[Primary Antibody]****CD47 Rabbit pAb****BioSS**
ANTIBODIES

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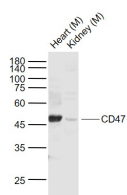
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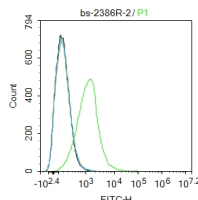
400-901-9800

— DATASHEET —

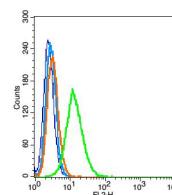
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (2µg/Test)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Rabbit)
GeneID: 961	SWISS: Q08722	Predicted MW.: 33 kDa
Target: CD47		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from 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 µL 1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=20.722]** Meng Lin. et al. CRISPR-based in situ engineering tumor cells to reprogram macrophages for effective cancer immunotherapy. Nano Today. 2022 Feb;42:101359 IF,IHC ;Mouse. 10.1016/j.nantod.2021.101359
- **[IF=17.521]** Zhongjie Tang. et al. Overcoming the On-Target Toxicity in Antibody-Mediated Therapies via an Indirect Active Targeting Strategy. Advanced Science. 2023 Jan;;2206912 FCM,WB ;Mouse. 36683161
- **[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

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

- **[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