bs-1529R **[Primary Antibody]**

CD46 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4179 **SWISS:** P15529

Target: CD46

Immunogen: KLH conjugated synthetic peptide derived from human CD46: 251-355/355. < 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: CD46 is one of the membrane complement regulatory proteins. CD46 possesses C3b-binding and factor I cofactor activities which play important roles in the regulation of the complement activation pathway. CD46 is widely distributed on blood cells, endothelial cells, epithelial cells and tumor cell lines. CD46 exists as many isoforms in a variety of tissues. The antigen has a broad distribution and is present on leukocytes, platelets, endothelial cells, epithelial cells and fibroblasts. It is strongly expressed on salivary gland ducts and kidney ducts, moderately on lymphocytes and endothelium, and weakly on interstitial tissues and muscle cells, but not on erythrocytes. It is expressed on thymocytes, B cells, monocytes, granulocytes, NK cells, platelets, epithelial and endothelial cells.

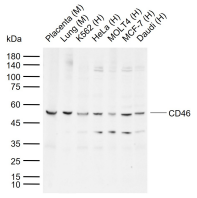
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1µg /test)

Reactivity: Human, Mouse

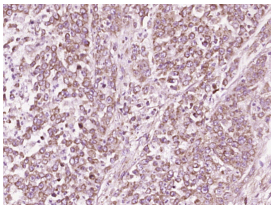
Predicted MW.: 43 kDa

Subcellular Location: Cell membrane

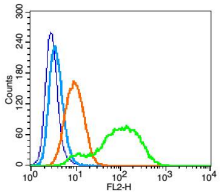
VALIDATION IMAGES



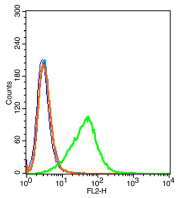
Sample: Lane 1: Mouse Placenta tissue lysates Lane 2: Mouse Lung tissue lysates Lane 3: Human K562 cell lysates Lane 4: Human HeLa cell lysates Lane 5: Human MOLT4 cell lysates Lane 6: Human MCF-7 cell lysates Lane 7: Human Daudi cell lysates Primary: Anti-CD46 (bs-1529R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kDa Observed band size: 52 kDa



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 (CD46) Polyclonal Antibody, Unconjugated (bs-1529R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control: U937 (blue). Primary Antibody: Rabbit Anti- CD46 antibody(bs-1529R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (bs-1529R, 1µg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.



Blank control: 293T(blue). Primary Antibody:Rabbit Anti-CD46 antibody(bs-1529R), Dilution: 1μg in 100 1μL 1X PBS containing 0.5% BSA(green); Isotype Control Antibody: Rabbit IgG(orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. protocol The cells were washed twice with phosphate-buffered saline (PBS).The cells were then incubated in 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions followed by the antibody (bs-1529R, 1μg/1x10^6 cells) for 30 min on ice. The secondary antibody used was Goat Anti-rabbit IgG/PE antibody at 1/200 dilution for 30 min on ice.Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=2.6]** Masahisa Hemmi. et al. Neutralizing monoclonal antibodies improve biodistribution of intravenously administered oncolytic adenovirus in human CD46-transgenic mice. PLOS ONE. 2025 Jun;20(6):e0326857 WB ;Mouse. 40561062