bs-10727R **[Primary Antibody]**

CD101 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9398 **SWISS:** Q93033

Target: CD101

Immunogen: KLH conjugated synthetic peptide derived from human CD101: 51-150/1021. < 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: CD101 is a disulfide-linked homodimeric type 1 glycoprotein. The peptide is comprised of 7 extracellular V-type IgSF domains. CD101 is highly expressed on monocytes, granulocytes, mucosal T cells, and on activated peripheral blood T cells. Expression is weak on resting T and B and NK cells, absent from platelets and weak or absent from most hematopoietic cell lines. CD101 is thought to play a co-stimulatory role in TCR/CD3-mediated T cell activation. Monoclonal antibodies against CD101 inhibit allogeneic T cell responses. Studies suggest that CD101 plays a major role in the activation of T cells by skin dendritic cells.

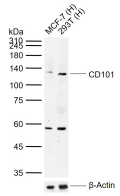
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:10-100)
Flow-Cyt (1μg/Test)

Reactivity: Human (predicted: Mouse, Rat)

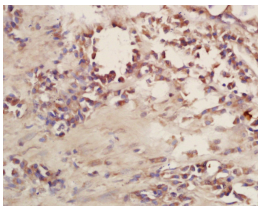
Predicted MW.: 113 kDa

Subcellular Location: Cell membrane

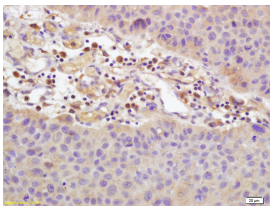
VALIDATION IMAGES



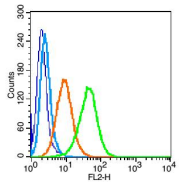
Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human 293T cell lysates Primary: Anti-CD101 (bs-10727R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kDa Observed band size: 125 kDa



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CD101 Polyclonal Antibody, Unconjugated(bs-10727R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human bladder carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CD101 Polyclonal Antibody, Unconjugated(bs-10727R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control(blue): U937(fixed with 2% paraformaldehyde (10 min)). Primary Antibody:Rabbit Anti-CD101 antibody(bs-10727R), 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.

SELECTED CITATIONS

- **[IF=2.311]** Jian Zhouet al. Clinical significance of CD38 and CD101 expression in PD-1+CD8+ T cells in patients with epithelial ovarian cancer. Oncol Lett . 2020 Jul;20(1):724-732. IF ;Human. 32565998