

bs-0641R**[Primary Antibody]**

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Integrin alpha 4 Rabbit pAb

DATASHEET

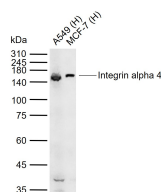
Host: Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3676**Target:** Integrin alpha 4**Immunogen:** KLH conjugated synthetic peptide derived from human Integrin alpha 4: 551-650/1032.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

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.

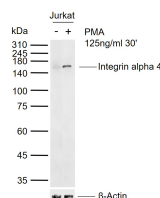
Background: Integrin alpha 4 beta 7, also known as, the lymphocyte Peyer's patch adhesion molecule (LPAM1) is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria.

Applications: WB (1:500-2000)**Flow-Cyt** (1µg/Test)**ELISA** (1:5000-10000)**Reactivity:** Human (predicted: Mouse, Rat, Rabbit, Cow, Horse)**Predicted MW:** 111 kDa**Subcellular Location:** Cell membrane

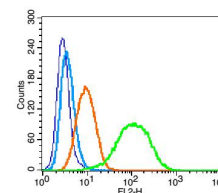
VALIDATION IMAGES



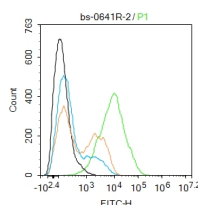
Sample: Lane 1: Human A549 cell lysates Lane 2: Human MCF-7 cell lysates Primary: Anti-Integrin alpha 4 (bs-0641R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 111 kDa Observed band size: 150 kDa



Sample: Lane 1: Normal human Jurkat cell lysates Lane 2: Jurkat treated with PMA 125ng/ml 30min Primary: Anti-Integrin alpha 4 (bs-0641R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 111 kDa Observed band size: 150 kDa



Blank control: U937(blue). Primary Antibody: Rabbit Anti-Integrin alpha 4 antibody(bs-0641R), 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-0641R, 1µg /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% 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.



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

Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-Integrin alpha 4 antibody (bs-0641R) Dilution: 2µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg / 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.

— SELECTED CITATIONS —

- **[IF=3.53]** Lee, Tao-Chen, et al. "Comparison of Surface Markers between Human and Rabbit Mesenchymal Stem Cells." PLOS ONE 9.11 (2014): e111390. Other ;="Rabbit". 25380245