

bs-5284R**[Primary Antibody]****phospho-CD244 (Tyr271) Rabbit pAb****Bioss**
ANTIBODIES

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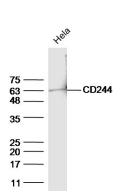
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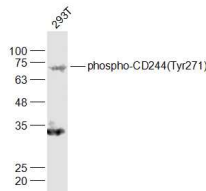
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— DATASHEET —

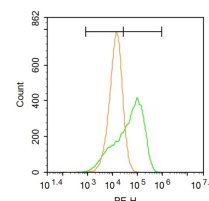
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1ug/Test)
Clonality: Polyclonal		Reactivity: Human (predicted: Rabbit, Pig, Horse)
GeneID: 51744	SWISS: Q9BZW8	
Target: CD244 (Tyr271)		Predicted MW.: 38 kDa
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CD244 around the phosphorylation site of Tyr271: TI(p-Y)ED.		Subcellular Location: Cell membrane
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: CD244 is expressed on all human NK cells, a subpopulation of T cells, basophils and monocytes. CD244 activates NK cell mediated cytotoxicity, induces secretion of IFN-gamma and matrix metalloproteinases, and NK cell invasiveness. Although there have been several molecules shown to interact with CD244, the signaling mechanism of CD244-mediated activation of NK cells is still unknown. It is a high affinity receptor for CD48.		

— VALIDATION IMAGES —

Sample: HeLa (Human) Lysate at 40 ug Primary: Anti- phospho-CD244(Tyr271) (bs-5284R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 65 kD



Sample: 293T(Human) Cell Lysate at 30 ug Primary: Anti-phospho-CD244(Tyr271) (bs-5284R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 70 kD



Blank control: U937. Primary Antibody (green line): Rabbit Anti-CD244 antibody (bs-5284R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE 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=4.047]** Xu Xiaoyan. et al. A novel 2B4 receptor leads to worse pregnancy outcomes by facilitating TNF-α and IFN-γ production in dNK cells during Toxoplasma gondii infection. PARASITE VECTOR. 2022 Dec;15(1):1-15 WB ;Human. 36153598