

**bs-2470R****[ Primary Antibody ]****CD244 Rabbit pAb****BioSS**  
**ANTIBODIES**

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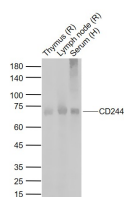
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 51744 <b>Target:</b> CD244 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CD244: 151-250/370. < Extracellular > <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> 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.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9BZW8	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Rat (predicted: Mouse) <b>Predicted MW.:</b> 42 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Sample: Lane 1: Rat Thymus tissue lysates Lane 2: Rat Lymph node tissue lysates Lane 3: Human Serum  
Primary: Anti-CD244 (bs-2470R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 70 kD

**— SELECTED CITATIONS —**

- **[IF=6.66]** Peiffer, Daniel S., et al. "Dietary consumption of black raspberries or their anthocyanin constituents alters innate immune cell trafficking in esophageal cancer." Cancer immunology research 4.1 (2016): 72-82. IHC ;Rat. 26603620
- **[IF=4.047]** Xu Xiaoyan. et al. A novel 2B4 receptor leads to worse pregnancy outcomes by facilitating TNF- $\alpha$  and IFN- $\gamma$  production in dNK cells during Toxoplasma gondii infection. PARASITE VECTOR. 2022 Dec;15(1):1-15 WB ;Human. 36153598