

## 10-4204: Monoclonal antibody to CD244/p38 (Clone: C1.7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	C1.7
<b>Application :</b>	IP,ELISA,FACS,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD244
<b>Gene ID :</b>	51744
<b>Uniprot ID :</b>	Q9BZW8
<b>Format :</b>	Purified
<b>Alternative Name :</b>	NK cell activation-inducing ligand (NAIL), NK cell type I receptor protein 2B4 (NKR2B4; h2B4), SLAM family member 4 (SLAMF4), Signaling lymphocytic activation molecule 4, 2B4
<b>Isotype :</b>	Mouse IgG1k
<b>Immunogen Information :</b>	Cultured human NK cells was used as the immunogen for this antibody.

### Description

CD244, also known as 2B4, is a type I transmembrane protein with a molecular weight of 38 kD. CD244 is one of the members of the CD2 subsett of the immunoglobulin superfamily (igSF) molecules. It is expressed in a wide variety of immune cells, including NK cells, most CD8<sup>+</sup> T cells, most  $\gamma/\delta$  T cells, monocytes, eosinophils, and basophils. CD48 is the ligand of CD244. It has been reported that the ligation of human CD244 can cause enhanced NK cell cytotoxicity as well as cytokine production. Recent studies have indicated that human CD244 has inhibitory and activating functions, similar to that of murine CD244. These functions are dependent upon the density of 2B4 expression of the cell surface, the degree of ligation, and the level of adaptor molecule SAP expression.

### Product Info

<b>Amount :</b>	25 $\mu$ g / 100 $\mu$ g
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 $\mu$ g in 50 $\mu$ l/100 $\mu$ g in 200 $\mu$ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

FACS, WB, ELISA, IP

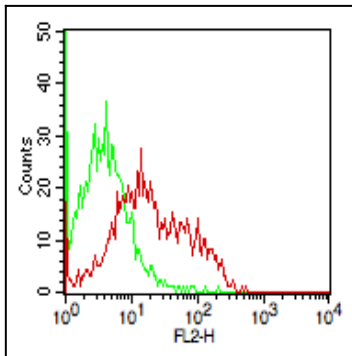


Figure 1: Cell surface staining of PBMC using anti-CD244 antibody (10-4204). Green histogram: Isotype control. Red histogram: anti-CD244 antibody. Goat anti-mouse PE was used as secondary antibody. 0.5  $\mu$ g antibody was used.