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

Clonality :	Monoclonal
Clone Name :	C1.7
Application :	IP,ELISA,FACS,WB
Reactivity :	Human
Gene :	CD244
Gene ID :	51744
Uniprot ID :	Q9BZW8
Format :	Purified
Alternative Name :	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
Isotype :	Mouse IgG1k
Immunogen Information :	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 $CD8^+$ T cells, most γ/δ 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

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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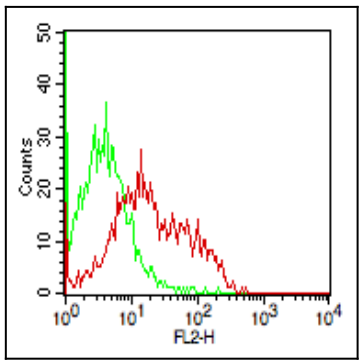


Figure 1: Cell surface staining of PBMC using anti-CD244 antibody (10-4204). Green histogram: Isotype control. Red histogram: anti-CD244 antibody. Goat anti-mouse PE was used as secondary antibody. 0.5 µg antibody was used.

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