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10-4049: Monoclonal antibody to CD161 (clone: ABM27F5)

Clonality :	Monoclonal
Clone Name :	ABM27F5
Application :	FACS
Reactivity :	Human
Gene :	KLRB1
Gene ID :	3820
Uniprot ID :	Q12918
Format :	Purified
Alternative Name :	Killer cell lectin-like receptor subfamily B member 1, C-type lectin domain family 5 member B, HNKR-P1a, NKR-P1A, Natural killer cell surface protein P1A, CD161
Isotype :	Mouse IgG2b, Kappa
Immunogen Information :	Full length recombinant protein of hCD161 was used as the immunogen for this antibody.

Description

CD161 is the human equivalent of mouse NK cell receptor P1A. It is a type II transmembrane glycoprotein with characteristics of the C-type lectin superfamily. The expression confines to lymphocytes found in human gut and liver, as well as blood, especially NK (natural killer) cells, Th17 (T helper 17) cells, and a population of unconventional T cells known as MAIT (mucosal-associated invariant T) cells. CD161 promotes T cell expansion and eventually has been identified as a marker of human IL-17-producing T cells. It plays a pivotal role in trans-endothelial migration and is also implicated in the pathogenesis of RA (rheumatoid arthritis) as well as graft-versus-host disease (GVHD).

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 analysis: 0.5-1 µg/10^6 cells

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

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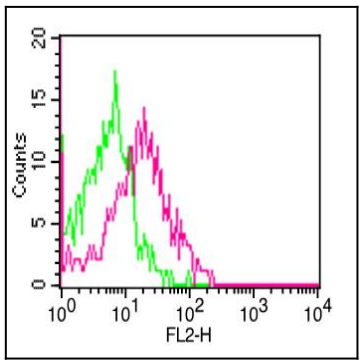


Figure-1: Cell surfce flow analysis of hCD161 in human PBMC (Lymphocyte gated) using 0.5 µg/10^6 cells of hCD161 (Clone: ABM27F5). Green represents isotype control; red represents anti-CD161antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

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