

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM27F5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	KLRB1
<b>Gene ID :</b>	3820
<b>Uniprot ID :</b>	Q12918
<b>Format :</b>	Purified
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse IgG2b, Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<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 analysis: 0.5-1 µg/10<sup>6</sup> cells

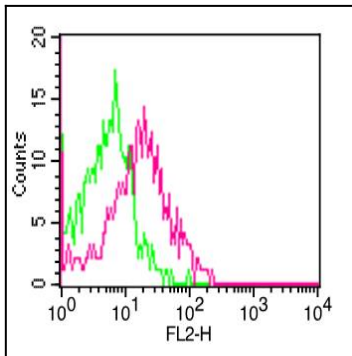


Figure-1: Cell surface flow analysis of hCD161 in human PBMC (Lymphocyte gated) using 0.5  $\mu\text{g}/10^6$  cells of hCD161 (Clone: ABM27F5). Green represents isotype control; red represents anti-CD161 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.