

## 10-4048: Monoclonal Antibody to CD161 (Clone: ABM2D74)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM2D74
<b>Application :</b>	IHC,FACS,WB
<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>	KLRB1,CLEC5B,NKRP1A
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	A full length human CD161 protein 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

Western blot analysis: 2-4 µg/ml,

Immunohistochemical analysis: 5 µg/ml

FACS: 0.2-0.5 µg/10<sup>6</sup> cells

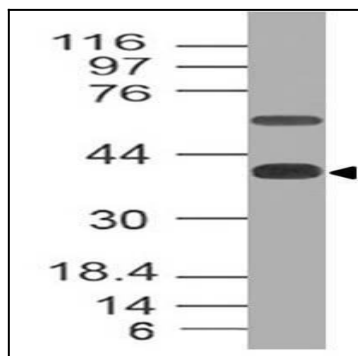


Fig-1: Western blot analysis of CD161. Anti-CD161 antibody (Clone: ABM2D74) was tested at 2 µg/ml on Jurkat lysate.

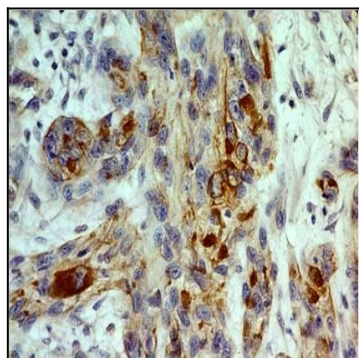


Fig-2 : Immunohistochemical analysis of CD161 in small cell carcinoma of esophagus using CD161 antibody (Clone: ABM2D74) at 5 µg/ml.

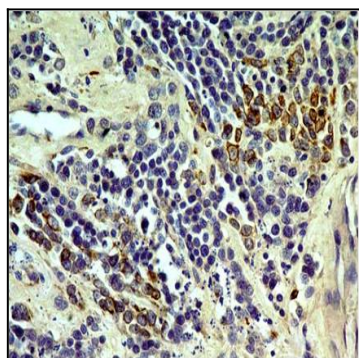


Fig-3 : Immunohistochemical analysis of CD161 in Transitional cell carcinoma of urinary bladder using CD161 antibody (Clone: ABM2D74) at 5 µg/ml.

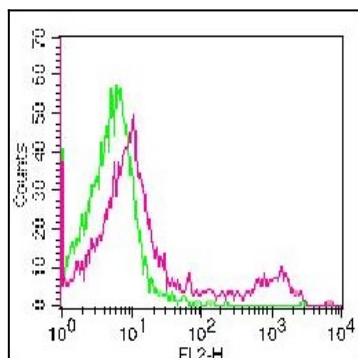


Fig-4 : Cell Surface flow analysis of hCD161 in PBMC (Lymphocytes) using 0.2µg/10<sup>6</sup> cells of CD161 clone ( ABM2D74). Green represents isotype control; red represents anti-hCD161 antibody. Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.