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

Clonality :	Monoclonal
Clone Name :	ABM2D74
Application :	IHC,FACS,WB
Reactivity :	Human
Gene :	KLRB1
Gene ID :	3820
Uniprot ID :	Q12918
Format :	Purified
Alternative Name :	KLRB1,CLEC5B,NKRP1A
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	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

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

Western blot analysis: 2-4 µg/ml,

Immunohistochemical analysis: 5 µg/ml

FACS: 0.2-0.5 µg/10^6 cells

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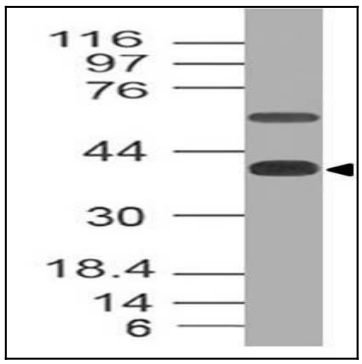


Fig-1: Western blot analysis of CD161. Anti-CD161 antibody (Clone: ABM2D74) was tested at 2 µg/ml on Jurkat lysate.

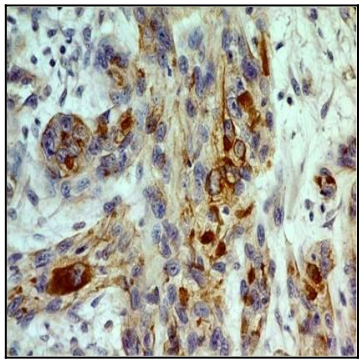


Fig-2 : Immunohistochemical analysis of CD161 in small cell carcinoma of esophagus using CD161 antibody (Clone: ABM2D74) at 5 µg/ml.

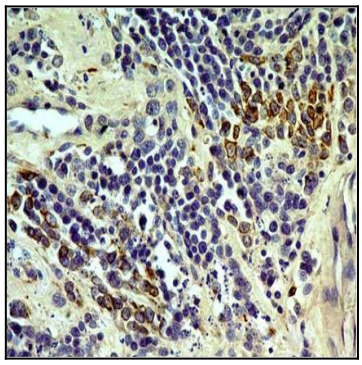


Fig-3 : Immunohistochemical analysis of CD161 in Transitional cell carcinoma of urinary bladder using CD161 antibody (Clone: ABM2D74) at 5 µg/ml.

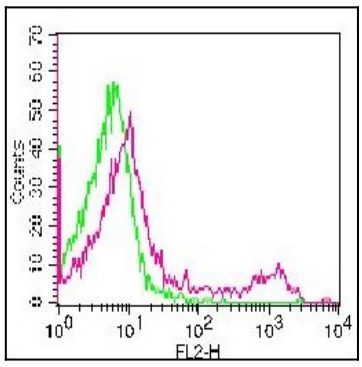


Fig-4 : Cell Surface flow analysis of hCD161 in PBMC (Lymphocytes) using 0.2µg/10^6 cells of CD161 clone (ABM2D74). Green represents isotype control; red represents anti-hCD161 antibody. Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.

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