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10-4064: Monoclonal Antibody to CD33(Clone: ABM29D3)

Clonality :	Monoclonal
Clone Name :	ABM29D3
Application :	IHC,FACS,WB
Reactivity :	Human
Gene :	CD33
Gene ID :	945
Uniprot ID :	P20138
Format :	Purified
Alternative Name :	CD33,SIGLEC3
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant CD33 protein (amino acids 28-320) was used as the immunogen for this antibody.

Description

CD33 is a member of the SIGLEC (Sialic Acid-Binding Ig-Like Lectin) family of receptors, and the gene comprises seven coding exons. Exon 2 encodes the canonical IgV domain, exon 4 encodes the IgC structural domain, and exons 6 and 7 encode cytosolic ITIMs (Immunotyrosine Inhibitory Motifs). CD33 acts as a cell surface antigen which is expressed on normal myeloid cells and CD34+ blasts in AML (Acute Myeloid Leukemia). The antigen serves as a target of GO (Gemtuzumab/Ozogamicin), which exerts anti-leukemic effects in refractory AML.

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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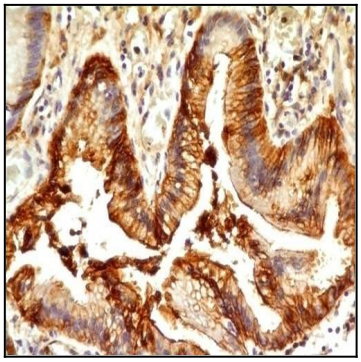

Fig-1: Immunohistochemical analysis of CD33 in adenocarcinoma of rectum using CD33 antibody (Clone: ABM29D3) at 5 µg/ml.

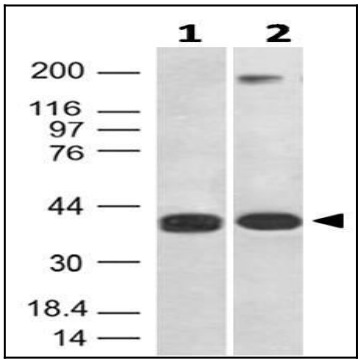

Fig-2: Western blot analysis of CD33. Anti- CD33 antibody (Clone: ABM29D3) was used at 2 µg/ml on Human Spleen and DU145 lysates.

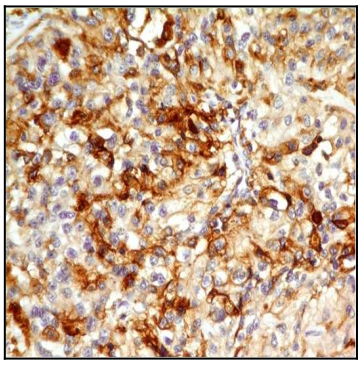

Fig-3: Immunohistochemical analysis of CD33 in Renal Cell Carcinoma using CD33 antibody (Clone: ABM29D3) at 5 µg/ml.

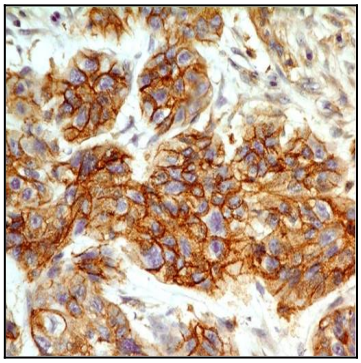

Fig-4: Immunohistochemical analysis of CD33 in squamous cell carcinoma of esophagus using CD33 antibody (Clone: ABM29D3) at 5 µg/ml.

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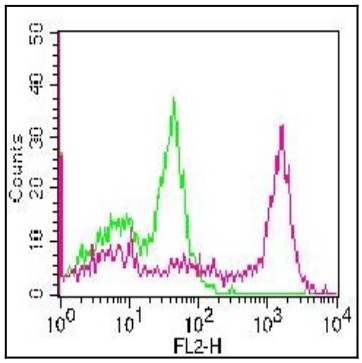

Fig-5: Cell Surface flow analysis of hCD33 in PBMC (Monocytes) using 0.2µg/10^6 cells of CD33 clone (ABM29D3). Green represents isotype control; red represents anti-hCD33 antibody. Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.