

For Research Use Only

CD33 Polyclonal antibody

Catalog Number: 17425-1-AP **2 Publications**



Basic Information

Catalog Number: 17425-1-AP	GenBank Accession Number: BC028152	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 945	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: CD33 molecule	
Isotype: IgG	Calculated MW: 364 aa, 40 kDa	
Immunogen Catalog Number: AG11490	Observed MW: 67 kDa	

Applications

Tested Applications: FC, IF, IHC, WB, ELISA	Positive Controls: WB : K-562 cells, IHC : human spleen tissue, human brain tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human testis tissue IF : HepG2 cells,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CD33, also referred to as Siglec-3, is a 67-kDa glycosylated transmembrane protein of sialic acid-binding immunoglobulin-like lectin (siglec) family. CD33 expression is restricted to cells of the hematopoietic system. It is expressed on monocytes, myeloid progenitors, granulocytes, mast cells, some T cells. This molecule may mediate cell-to-cell adhesion and act as a receptor that inhibits the proliferation of normal and leukemic myeloid cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Pang	32092078	PLoS One	IHC
Dong Jun J	23307253	Med Oncol	IHC

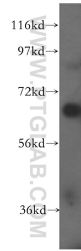
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

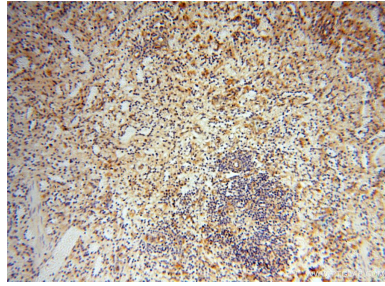
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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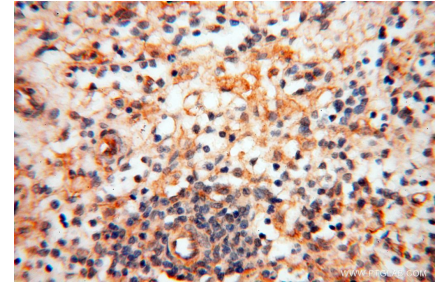
Selected Validation Data



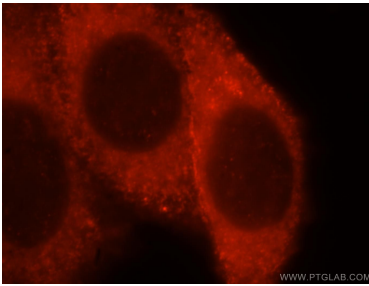
K-562 cells were subjected to SDS PAGE followed by western blot with 17425-1-AP (CD33 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



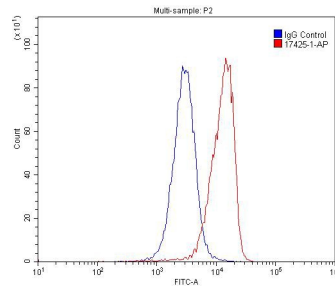
Immunohistochemical analysis of paraffin-embedded human spleen using 17425-1-AP (CD33 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 17425-1-AP (CD33 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using CD33 antibody 17425-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1×10^6 U-937 cells were stained with 0.2ug CD33 antibody (17425-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.