

For Research Use Only

# CD33 Polyclonal antibody

Catalog Number: 17425-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 17425-1-AP	<b>GenBank Accession Number:</b> BC028152	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 945	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20138	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD33 molecule	
<b>Immunogen Catalog Number:</b> AG11490	<b>Calculated MW:</b> 364 aa, 40 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

<b>Tested Applications:</b> FC, IF/ICC, WB, ELISA	<b>Positive Controls:</b> WB : EL-4-B5 cells, K-562 cells, THP-1 cells IF : THP-1 cells,
<b>Cited Applications:</b> IF, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## 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 is expressed on monocytes, myeloid progenitors, granulocytes, mast cells, some T cells. It 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
Zilong Zhang	35601487	Front Genet	IF
Xin Pang	32092078	PLoS One	IHC
Xing Huang	36090038	Front Mol Biosci	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:

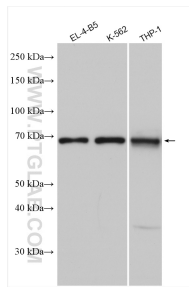
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

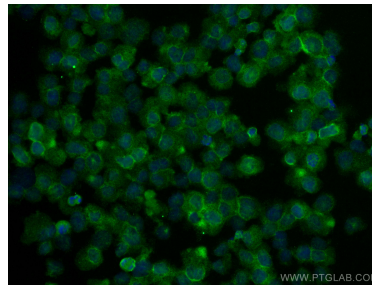
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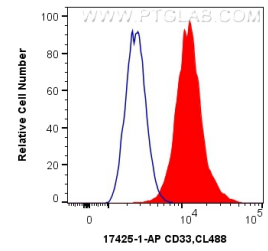
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17425-1-AP (CD33 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD33 antibody (17425-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  THP-1 cells were intracellularly stained with 0.4 ug Anti-Human CD33 (17425-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).