

For Research Use Only

CD33 Polyclonal antibody

Catalog Number: 17425-1-AP

7 Publications



Basic Information

Catalog Number: 17425-1-AP	GenBank Accession Number: BC028152	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 945	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
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, WB, ELISA	Positive Controls: WB : EL-4-B5 cells, K-562 cells, THP-1 cells IF : THP-1 cells,
Cited Applications: IF, IHC	
Species Specificity: human, mouse	
Cited Species: 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

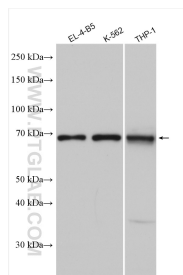
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

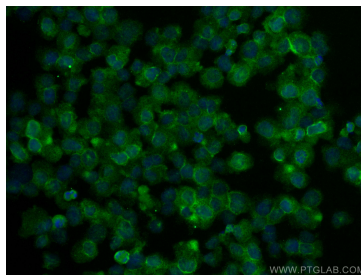
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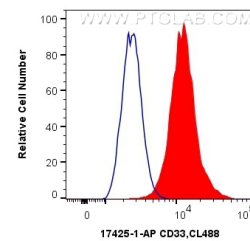
Selected Validation Data



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).



1×10^6 THP-1 cells were intracellularly stained with 0.4 μ g 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 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).