

For Research Use Only

# CD33 Recombinant antibody

Catalog Number: 84341-3-RR



## Basic Information

Catalog Number:

84341-3-RR

Size:

100ul, Concentration: 1000 µg/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC028152

GeneID (NCBI):

945

UNIPROT ID:

P20138

Full Name:

CD33 molecule

Calculated MW:

364 aa, 40 kDa

Observed MW:

55-75 kDa

Purification Method:

Protein A purification

CloneNo.:

241711D2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : THP-1 cells, K-562 cells, U-937 cells, HL-60 cells

IHC : human tonsillitis tissue,

## 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.

## 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

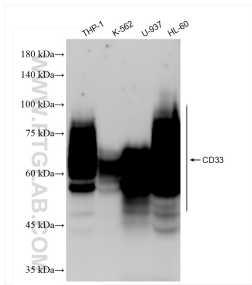
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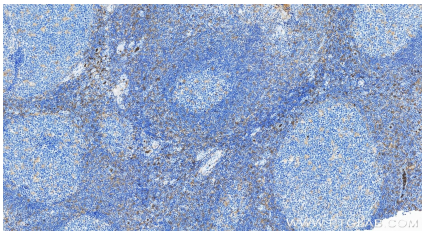
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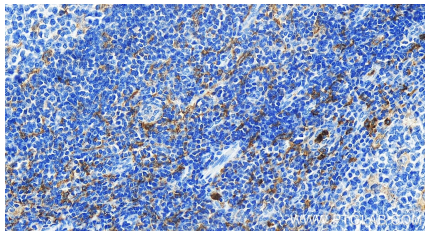
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84341-3-RR (CD33 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84341-3-RR (CD33 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84341-3-RR (CD33 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).