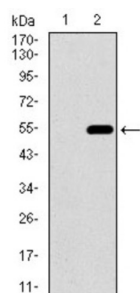
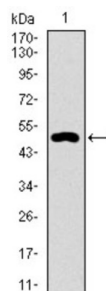


Myeloid Cell Surface Antigen CD33 (CD33) Antibody

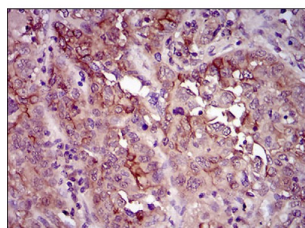
Catalogue No.: abx015799



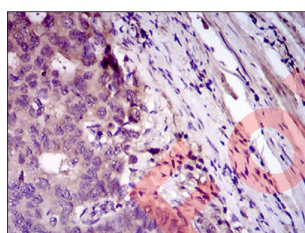
Western blot analysis using CD33 antibody against human CD33 recombinant protein. (Expected MW is 49.2 kDa).



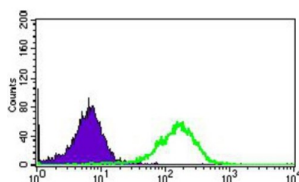
Western blot analysis using CD33 antibody against HEK293 (1) and CD33 (AA: 15-237) - hlgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HepG2 cells using CD33 antibody (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using CD33 antibody with DAB staining.

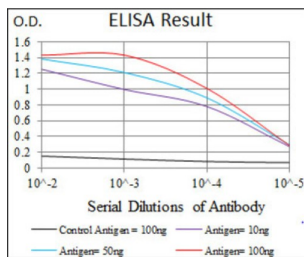


Immunohistochemical analysis of paraffin-embedded endometrium tissues using CD33 antibody with DAB staining.

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Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

The protein encoded by this gene belongs to putative adhesion molecule of myelomonocytic-derived cells that mediates sialic acid dependent binding to cells. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase (s) via their SH2 domain (s) that block signal transduction through dephosphorylation of signaling molecules. Induces apoptosis in acute myeloid leukemia (in vitro) and CD33 plays potential key roles in the pathogenesis of Alzheimer's disease (AD).

Target: Myeloid Cell Surface Antigen CD33 (CD33)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC, FCM

Host: Mouse

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human CD33 (AA: 15-237) expressed in E. coli.

Isotype: IgG₁

Form: Liquid

Purification: Purified from ascites by Protein G chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P20138 ([UniProt](#), [ExPASy](#))

Gene Symbol: CD33

Datasheet

Version: 3.0.0

Revision date: 05 Sep 2025



GeneID: [945](#)

OMIM: [159590](#)

HGNC: 1659

KEGG: hsa:945

Ensembl: ENSG00000105383

String: [9606.ENSP00000262262](#)

Molecular Weight: 39.8 kDa

Buffer: PBS, containing 0.05% sodium azide.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only