

CD33 monoclonal antibody

Catalog: MB23520

Host: Mouse

Reactivity: Human

BackGround:

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)

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

39.8kDa

Swiss-Prot:

P20138

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

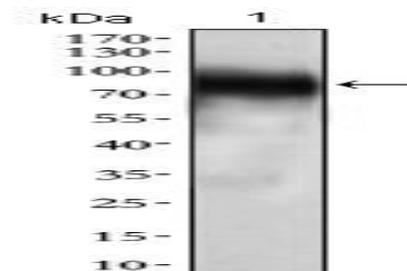
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

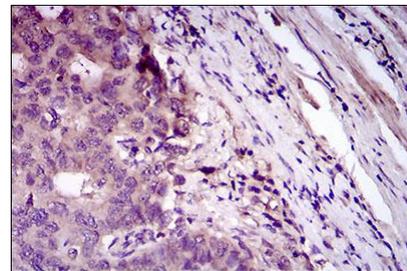
Isotype:

Mouse IgG1

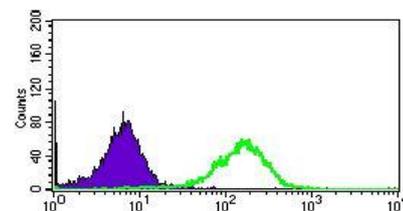
DATA:



Western blot analysis using CD33 mouse mAb against THP-1 (1 cell lysate).



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



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

Note:

For research use only, not for use in diagnostic procedure.

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