

CD133 monoclonal antibody

Catalog: MB66568

Host: Mouse

Reactivity: Human

BackGround:

CD133, also known as Prominin, was first described as a cell surface marker recognized by monoclonal antibody AC133 on putative hematopoietic stem cells. Subsequent cDNA cloning indicated that CD133 is a five-transmembrane protein with a predicted molecular weight of 97 kDa. Due to heavy glycosylation, its apparent molecular weight is 130 kDa as determined by SDS-PAGE analysis. Besides blood stem cells, CD133 is expressed on and used to isolate other stem cells, including cancer stem cells. A deletion mutation in CD133 produces aberrant protein localization and may result in retinal degeneration in humans.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 133 kDa

Swiss-Prot:

O43490

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of CD133 protein.

DATA:



Western blot analysis of CD133 expression in CaCo2 (A) whole cell lysates.

Note:

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

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