

# PRODUCT DATA SHEET

Bioworld Technology,Inc.

# CD133 monoclonal antibody

Catalog: MB0160 Host: Mouse IgG2a Reactivity: Human

#### **BackGround:**

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.

## **Product:**

1 mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

#### **Molecular Weight:**

Predicted band size:97KDa
Observed band size:133KDa

#### **Swiss-Prot:**

O43490

#### **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: 1:500~1000

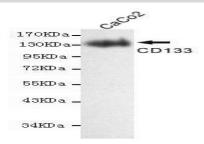
## Storage&Stability:

Store at  $4 \, \mathbb{C}$  short term. Aliquot and store at  $-20 \, \mathbb{C}$  long term. Avoid freeze-thaw cycles.

## **Specificity:**

This antibody detects endogenous levels of CD133 and does not cross-react with related proteins

#### **DATA:**



Western blot detection of PROM1 antibody in CaCo2 cell lysate using PROM1 antibody (1:1000 diluted).

#### Note:

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

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