

CD133 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4126
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Synthesized peptide of human CD133.
Mol wt	133kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	RP41;AC133;CD133;MCDR2;STGD4;CORD12;PROML1;MSTP061

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

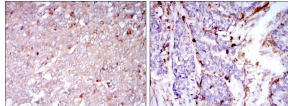
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

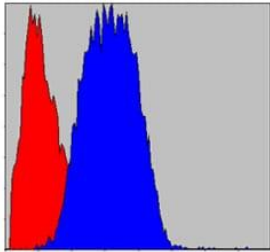
ELISA: 1:10000

Not yet tested in other applications.

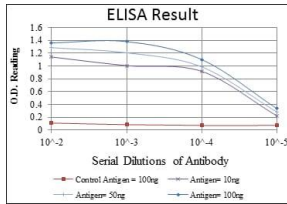
Images



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (left) and human esophageal cancer tissues (right) using CD133 mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using CD133 mouse mAb (blue) and negative control (red).



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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