

CD133 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0273
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Synthesized peptide of human CD133.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC-p, IF, FCM, ELISA
Concentration	1 mg/ml
Full name	Prominin-1
Synonyms	PROM1; Prominin-1; Antigen AC133; Prominin-like protein 1; CD antigen CD133

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

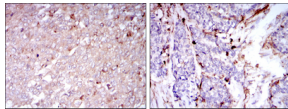
ELISA: 1:10000

FC: 1:200 - 1:400

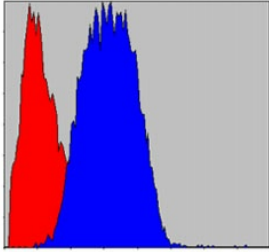
IHC: 1:200 - 1:1000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human breast cancer tissues (left) and human esophageal cancer tissues (right) with DAB staining using CD133 Monoclonal antibody.



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

Storage

-20°C for one year

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