

CD151 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2077
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD151 (AA: extra 113-221) expressed in E. Coli.
Mol wt	28.3kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	GP27;MER2;RAPH;SFA1;PETA-3;TSPAN24

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

Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

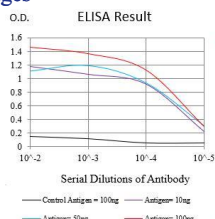
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

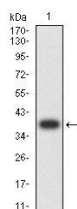
ELISA: 1:10000

Not yet tested in other applications.

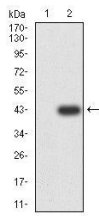
Images



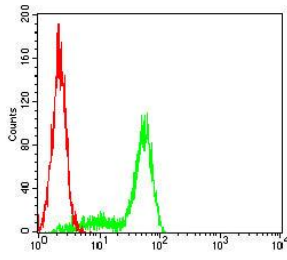
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



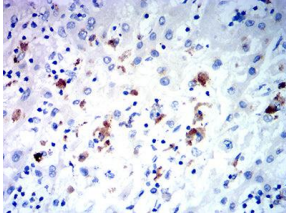
Western blot analysis using CD151 mAb against human CD151 (AA: extra 113-221) recombinant protein. (Expected MW is 38.4 kDa)



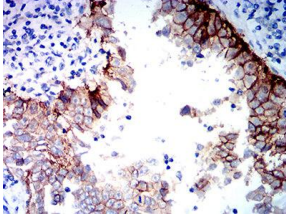
Western blot analysis using CD151 mAb against HEK293-6e (1) and CD151 (AA: extra 113-221)-hlgGFc transfected HEK293-6e (2) cell lysate.



Flow cytometric analysis of HeLa cells using CD151 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using CD151 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using CD151 mouse mAb with DAB staining.

Storage

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

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