

CD281 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3111
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD281 (AA: extra 172-425) expressed in E. Coli.
Mol wt	90.2kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	TLR1;TIL;rsc786;TIL. LPRSS

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 Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

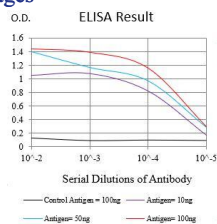
ICC: 1:100 - 1:500

FCM: 1:200 - 1:400

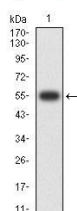
ELISA: 1:10000

Not yet tested in other applications.

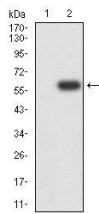
Images



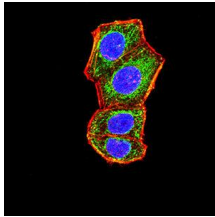
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



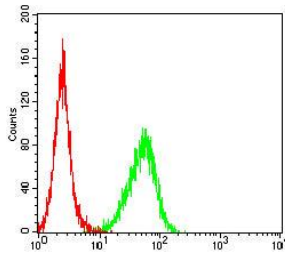
Western blot analysis using CD281 mAb against human CD281 (AA: extra 172-425) recombinant protein. (Expected MW is 55.1 kDa)



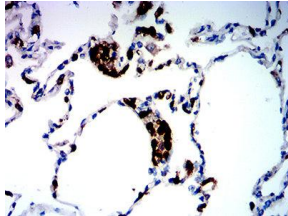
Western blot analysis using CD281 mAb against HEK293-6e (1) and CD281 (AA: extra 172-425)-hlgGfc transfected HEK293-6e (2) cell lysate.



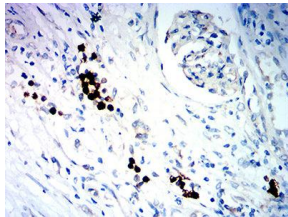
Immunofluorescence analysis of HeLa cells using CD281 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of THP-1 cells using CD281 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded lung tissues using CD281 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded kidney cancer tissues using CD281 mouse mAb with DAB staining.

Storage

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

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