

Product Name: CD281 Mouse Monoclonal Antibody
Catalog #: AMM82652



Summary

Production Name	CD281 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	CD281
Alternative Names	TLR1; TIL; rsc786; TIL. LPRS5
Gene ID	7096.0
SwissProt ID	Q15399 .Purified recombinant fragment of human CD281 (AA: extra 172-425) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,ICC:1:100-1:500,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	90.2kDa

Background

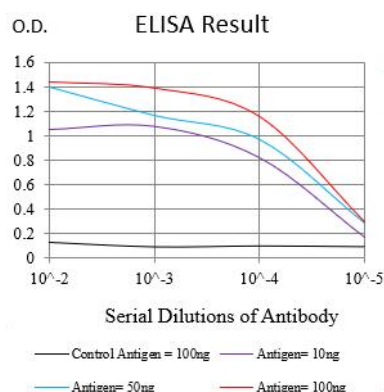
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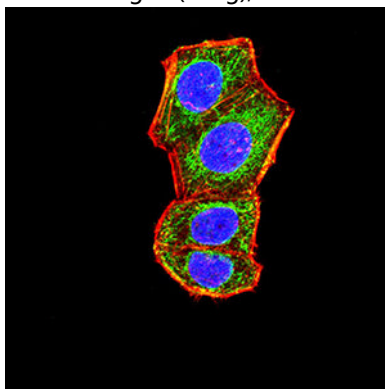
The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated 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.

Research Area

Image Data

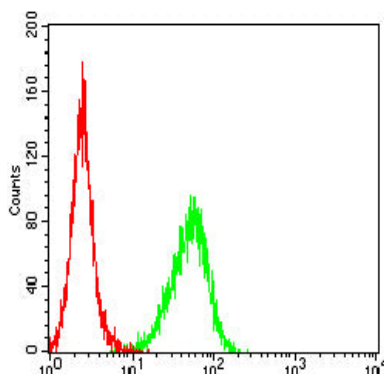


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

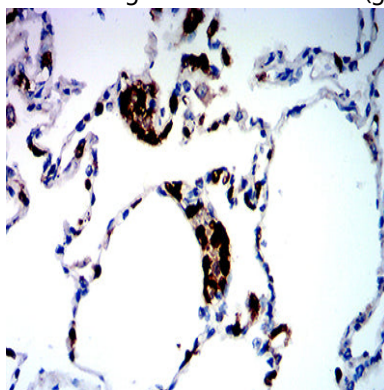


Immunofluorescence analysis of HeLa cells using CD281 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

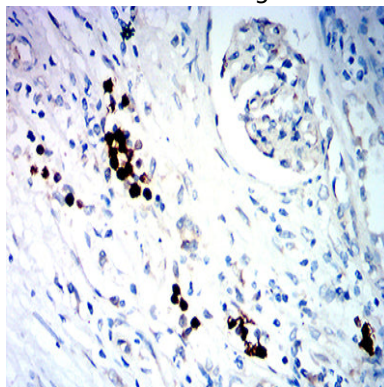
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Flow cytometric analysis of THP-1 cells using CD281 mouse mAb (green) and negative control (red).



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



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

Note

For research use only.