

## Summary

<b>Production Name</b>	IRAK4 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,FC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,,Monkey

## Performance

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

## Immunogen

<b>Gene Name</b>	IRAK4
<b>Alternative Names</b>	IPD1; REN64; NY-REN-64
<b>Gene ID</b>	51135.0
<b>SwissProt ID</b>	Q9NWZ3.Purified recombinant fragment of human IRAK4 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	52kDa

## Background

This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling

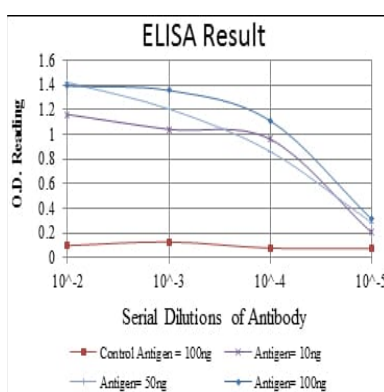
**Product Name: IRAK4 Mouse Monoclonal Antibody**  
**Catalog #: AMM81021**



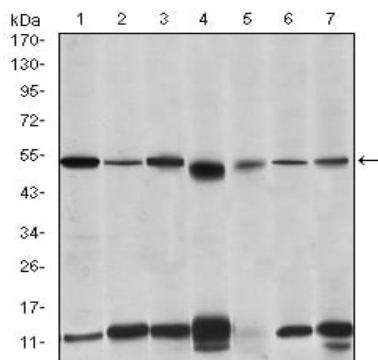
pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene.

## Research Area

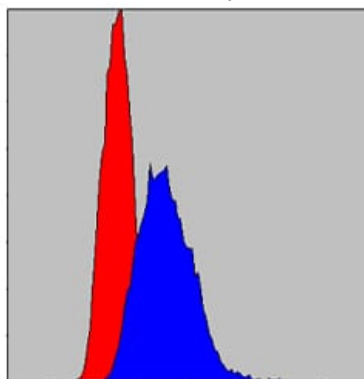
## Image Data



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



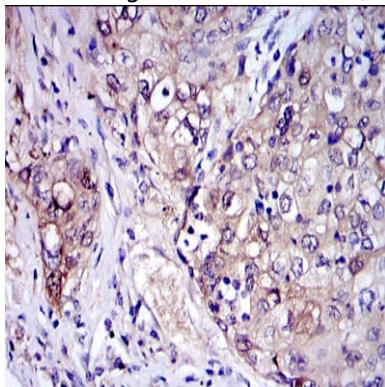
Western blot analysis using IRAK4 mouse mAb against THP-1 (1), Hela (2), K562 (3), MCF-7 (4), RAW264.7 (5), Jurkat (6) and Cos7 (7) cell lysate.



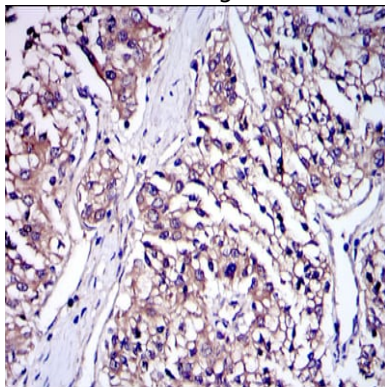
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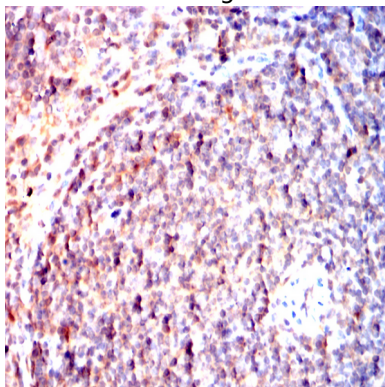
Flow cytometric analysis of Hela cells using IRAK4 mouse mAb (blue) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using IRAK4 mouse mAb with DAB staining.



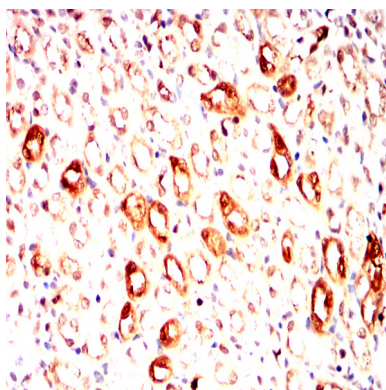
Immunohistochemical analysis of paraffin-embedded human kidney cancer tissues using IRAK4 mouse mAb with DAB staining.



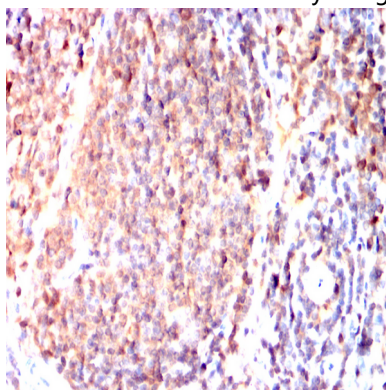
Immunohistochemical analysis of paraffin-embedded Mouse spleen using IRAK4 mouse mAb with DAB staining.

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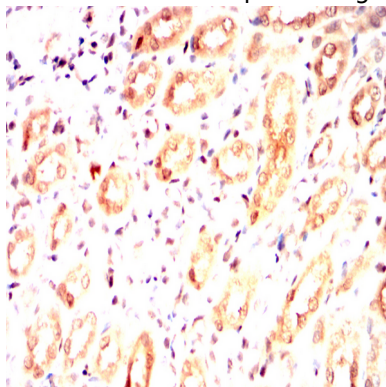
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Immunohistochemical analysis of paraffin-embedded Mouse kidney using IRAK4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat spleen using IRAK4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat kidney using IRAK4 mouse mAb with DAB staining.

## **Note**

For research use only.