

**Product Name: CD180 Mouse Monoclonal Antibody**  
**Catalog #: AMM82864**



## Summary

<b>Production Name</b>	CD180 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC, ICC, FC, ELISA
<b>Reactivity</b>	Human

## 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>	CD180
<b>Alternative Names</b>	LY64; Ly78; RP105
<b>Gene ID</b>	4064.0
<b>SwissProt ID</b>	Q99467. Purified recombinant fragment of human CD180 (AA: extra 24-185) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000, ICC:1:200-1:1000, FC:1:200-1:400, ELISA:1:10000
<b>Molecular Weight</b>	74.2kDa

## Background

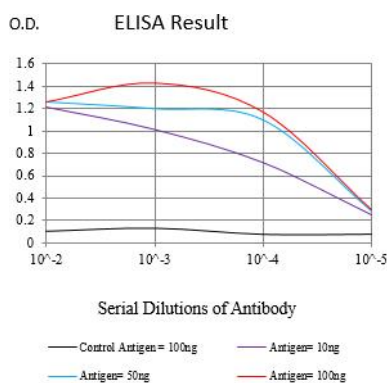
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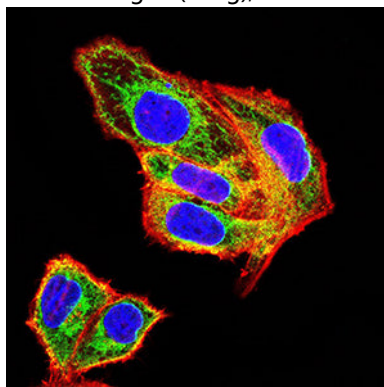
CD180 is a cell surface molecule consisting of extracellular leucine-rich repeats (LRR) and a short cytoplasmic tail. The extracellular LRR is associated with a molecule called MD-1 and form the cell surface receptor complex, RP105/MD-1. It belongs to the family of pathogen receptors, Toll-like receptors (TLR). RP105/MD1, by working in concert with TLR4, controls B cell recognition and signaling of lipopolysaccharide (LPS), a membrane constituent of Gram-negative bacteria.

## Research Area

## Image Data

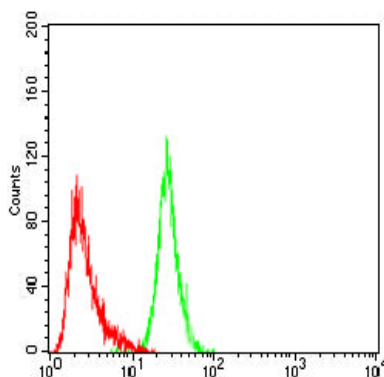


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

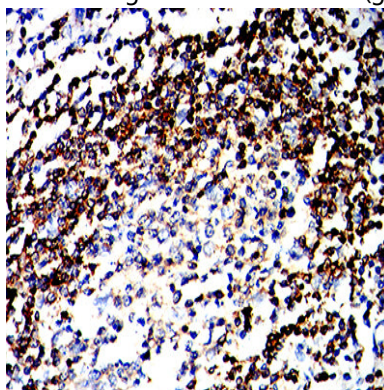


Immunofluorescence analysis of HeLa cells using CD180 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

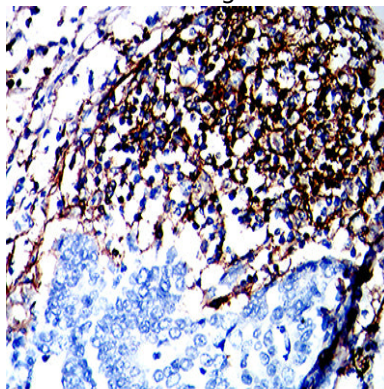
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Flow cytometric analysis of THP-1 cells using CD180 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human Esophageal cancer tissues using CD180 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues using CD180 mouse mAb with DAB staining.

## Note

For research use only.