

Product Name: CD172b Mouse Monoclonal Antibody
Catalog #: AMM82763



Summary

| | |
|------------------------|----------------------------------|
| Production Name | CD172b 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 | CD172b |
| Alternative Names | SIRPB1; SIRP-BETA-1 |
| Gene ID | 10326.0 |
| SwissProt ID | O00241.Purified recombinant fragment of human CD172b (AA: extra 72-309) expressed in E. Coli. |

Application

| | |
|-------------------------|--|
| Dilution Ratio | IHC:1:200-1:1000,ICC:1:50-1:200,FC:1:200-1:400,ELISA:1:10000 |
| Molecular Weight | 43.2kDa |

Background

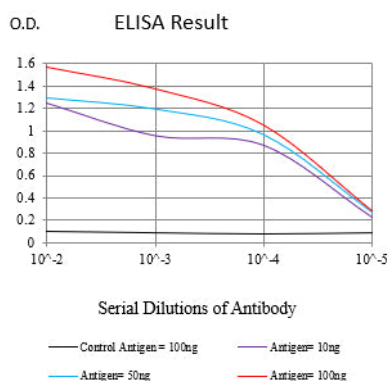
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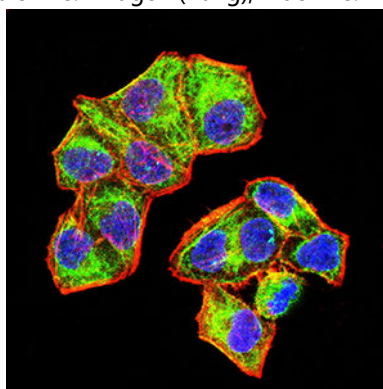
The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene.

Research Area

Image Data

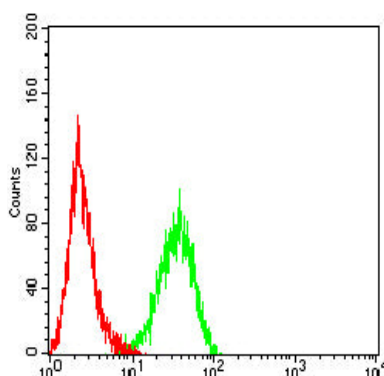


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

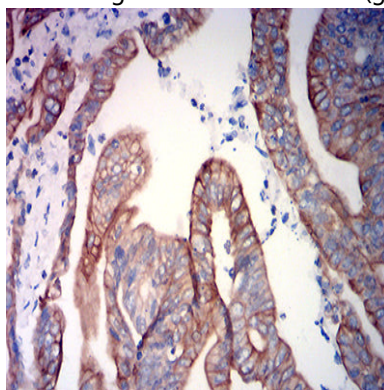


Immunofluorescence analysis of HeLa cells using CD172b mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

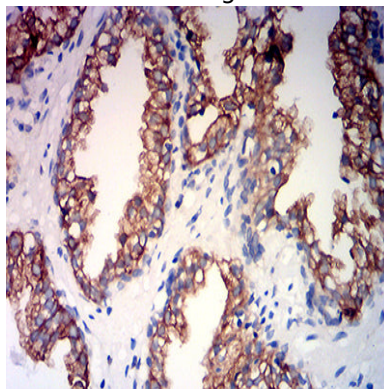
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Flow cytometric analysis of K562 cells using CD172b mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using CD172b mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using CD172b mouse mAb with DAB staining.

Note

For research use only.