# CD9 Monoclonal Antibody

**catalog number:** **AN200033P**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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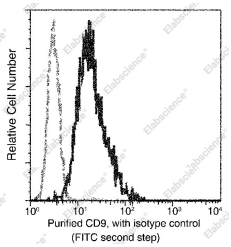
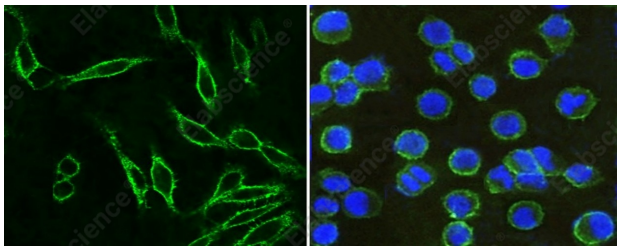
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human CD9 protein |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1 |
| **Clone** | A877 |
| **Purification** | Protein A affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | 0.2 μm filtered solution in PBS. |

| Applications | Recommended Dilution |
|---|---|
| **ICC** | 1:50-1:1000 |
| **FCM** | 1:25-1:100 |

## Data




Flow cytometric analysis of Human CD9 expression on HeLa cells. Cells were stained with purified anti-Human CD9, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human CD9 in Hela cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human CD9 Monoclonal Antibody (1:100) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope) Goat Anti-mouse IgG secondary antibody, countstained with DAPI for nuclear staining (blue). Positive staining was localized to plasma membrane.

## Preparation & Storage

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|---|---|
| **Storage** | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Ice bag |

## Background


Toll-free: 1-888-852-8623
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This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis.


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