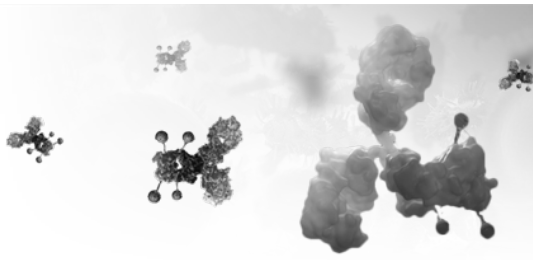

# Mouse Anti-Human CD9 Monoclonal Antibody, clone MEM-61 (CABT-Z600M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Specificity** | The antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen. |
| **Immunogen** | Human CD9 antigen |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | MEM-61 |
| **Purification** | Protein A purified |
| **Conjugate** | Unconjugated |
| **Applications** | FA<br>FA: The antibody induces FcgR-dependent platelet activation (aggregation). |
| **Format** | Liquid |
| **Concentration** | Lot specific |
| **Size** | 100 µg |
| **Buffer** | PBS (sterile), pH 7.2. |
| **Preservative** | None |
| **Storage** | Store at 4℃. For long-term storage aliquot and store at -20℃. Avoid freeze/thaw |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

| | |
|---|---|
| | cycles. |
| **Ship** | Wet ice |

# BACKGROUND

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|---|---|
| **Introduction** | CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol-associated tetraspaninenriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors. |
| **Keywords** | CD9;CD9 molecule;CD9 antigen (p24) , MIC3;CD9 antigen;BA2;motility related protein 1 |

# GENE INFORMATION

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|---|---|
| **Gene Name** | CD9 |
| **Entrez Gene ID** | 928 |
| **UniProt ID** | P21926 |

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