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# Product datasheet for TA813476

## CD9 Mouse Monoclonal Antibody [Clone ID: OTI3D5]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI3D5 |
| **Applications:** | FC |
| **Recommended Dilution:** | FLOW 1:100 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human CD9 (NP_001760) produced in HEK293T cell. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 25.4 kDa |
| **Gene Name:** | CD9 molecule |
| **Database Link:** | NP_001760<br>Entrez Gene 12527 MouseEntrez Gene 24936 RatEntrez Gene 928 Human<br>P21926 |

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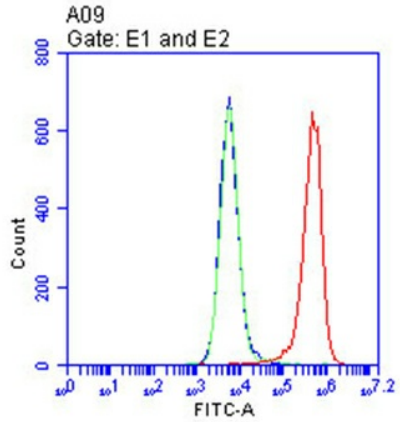
**Background:** This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular 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. [provided by RefSeq, Jan 2011]

**Synonyms:** BTCC-1; DRAP-27; MIC3; MRP-1; TSPAN-29; TSPAN29

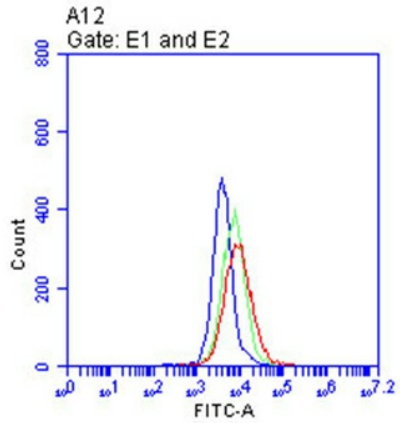
**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Hematopoietic cell lineage

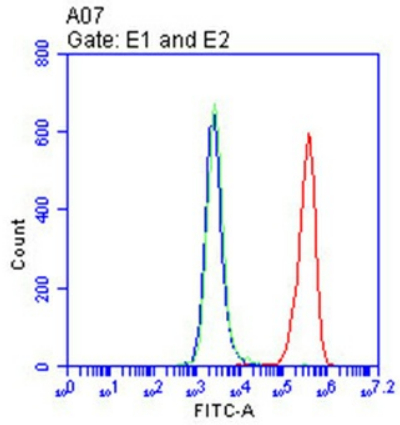
## Product images:



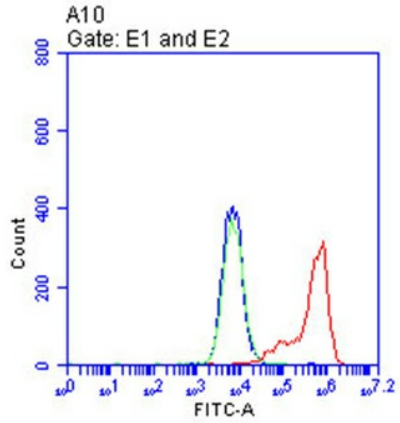

Flow cytometric analysis of living Hela cells, using anti-CD9 antibody(TA813476, Red), compared to an isotype control (green), and a PBS control (blue).(1:100)



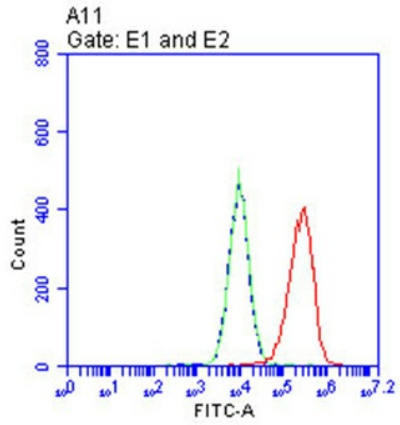

Flow cytometric analysis of living K562 cells, using anti-CD9 antibody(TA813476, Red), compared to an isotype control (green), and a PBS control (blue).(1:100)




Flow cytometric analysis of living RPMI-8226 cells, using anti-CD9 antibody(TA813476, Red), compared to an isotype control (green), and a PBS control (blue).(1:100)




Flow cytometric analysis of living HUVEC cells, using anti-CD9 antibody(TA813476, Red), compared to an isotype control (green), and a PBS control (blue).(1:100)




Flow cytometric analysis of living U87MG cells, using anti-CD9 antibody(TA813476, Red), compared to an isotype control (green), and a PBS control (blue).(1:100)