

## Product Information

### Anti-CD9

produced in rabbit, affinity isolated antibody

Catalog Number **C9993**

### Product Description

Anti-CD9 is produced in rabbit using as immunogen a synthetic peptide corresponding to residues 36-50 [RFDSQTKSIFEQETN] of human CD9 (GeneID 928). The antibody is affinity-purified.

Anti-CD9 recognizes human, mouse, and rat CD9. Applications include the detection of CD9 by immunoblotting (~25 kDa) and immunohistochemistry.

The CD9 protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance.

### Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2-8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

### Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: a working dilution of 1:100 to 1:250 is recommended.

**Note:** In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

### References

1. Ovalle, S., et al., The tetraspanin CD9 inhibits the proliferation and tumorigenicity of human colon carcinoma cells. *Int. J. Cancer* **121** (10), 2140-2152 (2007).

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