

## Anti-Human CD9-172Yb

**Catalog #:** 3172010B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Human

**Clone:** SN4 C3-3A2

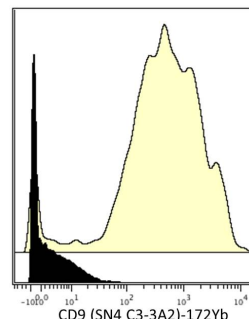
**Isotype:** Mouse IgG1

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 172Yb-anti-CD9 (SN4 C3-3A2). Platelets (top) and T lymphocytes (bottom) are displayed in the analysis.

### Description

CD9 is a surface glycoprotein belonging to the tetraspanin (TM4SF) family which is characterized by four transmembrane-spanning domains and two extracellular domains. It is known to play a role in platelet aggregation. CD9 is expressed in platelets, eosinophils, basophils, pre-B cells, activated T cells and neural cell lines.

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

### Contact Information:

Sales: [sales@DVSsciences.com](mailto:sales@DVSsciences.com) | Support: [support@DVSsciences.com](mailto:support@DVSsciences.com)  
[www.DVSsciences.com](http://www.DVSsciences.com) | For assistance by phone: 855-DVS-CYTO

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