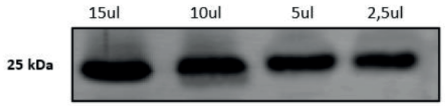
# Anti-Human CD9 (VJ1/20)

| | REF | Σ | | [A] | |
|---|---|---|---|---|---|
| PURE | 9PU | 1 mg | 1 mg/ml | | |
| PURE | 9PU-01MG | 100 µg | 1 µg/test | 0,01 mg/ml | |
| FITC | 9F-100T | 100 test | 20 µL/test | 2 mg/ml | |
| PE | 9PE-100T | 100 test | 20 µL/test | 2 mg/ml | |
| APC | 9A-100T | 100 test | 20 µL/test | 2 mg/ml | RUO |
| APC-C750 | 9AC750-100T | 100 test | 5 µL/test | 0,05 mg/ml | |
| Biotin | 9B-01MG | 100 µg | 1 µL/test | 0,01 mg/ml | |
| CF-Blue | 9CFB-100T | 100 test | 5 µL/test | 0,05 mg/ml | |

## 1. PRODUCT DESCRIPTION

**Clone:** VJ1/20;
**Isotype**: IgG2a;
**Tested application**: flow cytometry, western blot;
**Immunogen**: The anti-CD9 monoclonal antibody derives from tissue / cell preparation (Human tonsil);
**Species reactivity**: Human;
**Storage instruction:** store in the dark at 2-8 °C; It does not affect purified.
**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide ($NaN_3$);
**Recommended usage**: Immunostep's CD9, clone VJ1/20, is a monoclonal antibody intended for:

- Flow cytometry immunophenotyping: identification and enumeration of human platelets. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for $10^6$ cells;
- Exosomes detection: the products conjugated in PE, FITC, biotin and CF-Blue can be used in combination with #ExoStep Kit and #capture beads. For this application it could be necessary to assay with different quantities.
- Western blot: specific exosomes markers are identified with this technique. 1:5000 is the recommended dilution for pure antibodies and 1:500 for biotin antibodies [8-9];




**Presentation**: liquid;
**Source**: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
**Purification**: Affinity chromatography;
**Other names**: DRAP-27, MRP-1, p24, CD9 antigen, 5H9 antigen, Cell growth-inhibiting gene 2 protein, Leukocyte antigen MIC3, Motility-related protein, MRP-1, Tetraspanin-29, Tspan-31;
**Gene ID:** 928;
**Molecular weight:** 25 kDa.

## 2. ANTIGEN DETAILS

**Large description:** CD9 antigen is expressed on the surface of developing B lymphocytes, platelets, monocytes, eosinophils, basophils, stimulated T lymphocytes and by neurons and glial cells in the peripheral nervous system. In pre-B cells and platelets, CD9 antigen regulates cell activation and aggregation possibly through an association with the integrin CD41/CD61 (GPIIb/GPIIIa).[1-7]

## 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

Revision nr. 3 | Emission date: 31/03/2025 | TDS_9A-100T

## 4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited. Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

## 5. REFERENCES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## 6. EXPLANATION OF SYMBOLS

| | |
|---|---|
| | Form |
| REF | Catalog reference |
| Σ | Contains sufficient for <n> test |
| | Regulatory Status |
| | Quantity per test |
| RUO | Research Use Only |
| [A] | Concentration |
| | Manufacturer |

## 7. MANUFACTURED BY:


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