

# CD9 monoclonal antibody, clone VJ1/20

Catalog # MAB4964

Size 5 x 100 ug

## Specification

**Product Description** Mouse monoclonal antibody raised against native CD9.

**Immunogen** Cell preparation of human tonsil tissue.

**Host** Mouse

**Theoretical MW (kDa)** 25

**Reactivity** Human

**Form** Liquid

**Purification** Affinity chromatography

**Isotype** IgG2a

**Recommend Usage** Flow Cytometry ( $\leq 1 \text{ ug}/10^6 \text{ cells}$ )  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide).

**Storage Instruction** Store in the dark at 4°C. Avoid prolonged exposure to light.

**Note** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

## Gene Info — CD9

Entrez GeneID

[928](#)

Gene Name	CD9
Gene Alias	5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29
Gene Description	CD9 molecule
Omim ID	<a href="#">143030</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded 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. [provided by RefSeq]
Other Designations	5H9 antigen CD9 antigen CD9 antigen (p24) OTTHUMP00000041574 OTTHUMP00000041576 antigen defined by monoclonal antibody 602-29 growth-inhibiting gene 2 protein leukocyte antigen MIC3 motility related protein motility related protein-1 p24 antigen

## Publication Reference

- [Exosomal secreted SCIMP regulates communication between macrophages and neutrophils in pneumonia.](#)

Xiaolei Pei, Li Liu, Jieru Wang, Changyuan Guo, Qingqing Li, Jia Li, Qian Ren, Runzhi Ma, Yi Zheng, Yan Zhang, Li Liu, Danfeng Zheng, Pingzhang Wang, Ping Jiang, Xiaoming Feng, Erjie Jiang, Ying Wang, Sizhou Feng.

Nature Communications 2024 Jan; 15(1):691.

Application: WB, Human, HEK293 cells

- [A proteomic atlas of the African swine fever virus particle.](#)

Alejo A, Matamoros T, Guerra M, Andrés G.

Journal of Virology 2018 Nov; 92(23):e01293.

Application: IEM, Monkey, Vero cells

## Pathway

- [Hematopoietic cell lineage](#)

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)