For Research Use Only.
Not for use in diagnostic procedures.

Anti-CD9 mAb-FITC

CODE No. MEX001-4

CLONALITY Monoclonal
CLONE A100-4
ISOTYPE Mouse IgG2a κ
QUANTITY 100 µL, 500 µg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human prostate carcinoma cell line (PC3) derived exosomes (prepared by ultracentrifugation from cultured supernatant)
FORMURATION PBS containing 1% BSA and 0.1% ProClin 150
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED
Flow cytometry 5 µg/mL

SPECIES CROSS REACTIVITY on FCM

Species	Human	Monkey	Mouse	Rat	Hamster
Cells	HeLa, HEK293T	Not tested	Not tested	Not tested	Not tested
Reactivity	+				

Entrez Gene ID 928 (Human)

REFERENCES

1) Melo, S. A., *et al.*, *Nature* **523**, 177-182 (2015)
2) Yoshioka, Y., *et al.*, *Nat. Commun.* **5**, 3591 (2014)
3) Pols, M. S. and Klumperman, J., *Exp. Cell Res.* **315**, 1584-1592 (2009)
4) Simons, M. and Raposo, G., *Curr. Opin. Cell Biol.* **21**, 575-581 (2009)
5) Boucheix, C., *et al.*, *J. Biol. Chem.* **266,** 117-122 (1991)

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RELATED PRODUCTS

Antibodies

MEX001-3	Anti-CD9 mAb (A100-4)
MEX001-4	Anti-CD9 mAb-FITC (A100-4)
MEX001-6	Anti-CD9 mAb-Biotin (A100-4)
MEX002-3	Anti-CD63 (LAMP-3) mAb (C047-1)
MEX002-4	Anti-CD63 (LAMP-3) mAb-FITC (C047-1)
MEX002-6	Anti-CD63 (LAMP-3) mAb-Biotin (C047-1)
MEX003-3	Anti-CD81 (TAPA1) mAb (A103-10)
MEX003-4	Anti-CD81 (TAPA1) mAb-FITC (A103-10)
MEX003-6	Anti-CD81 (TAPA1) mAb-Biotin (A103-10)
MEX004-6	Anti-EpCAM mAb-Biotin (B8-4)
D252-3	Anti-CD9 (Human) mAb (10H6)
D252-5	Anti-CD9 (Human) mAb-PE (10H6)
D131-3	Anti-CD9 (Mouse) mAb (JF9)
D131-4	Anti-CD9 (Mouse) mAb-FITC (JF9)
D263-3	Anti-CD63 (LAMP-3) (Mouse) mAb (R5G2.1)
D082-3	Anti-CD151 (SFA-1) (Human) mAb (SFA1.2B4)
D082-5	Anti-CD151 (SFA-1) (Human) mAb-PE (SFA1.2B4)
D050-3	Anti-CD29 (Integrin ² 1) (Human) mAb (AG89)
D050-5	Anti-CD29 (Integrin ² 1) (Human) mAb-PE (AG89)
D276-3	Anti-CD36 (GPIV) (Human) mAb (GS95)
D276-A48	Anti-CD36 (GPIV) (Human) mAb -Alexa Fluor® 488 (GS95)
D276-A64	Anti-CD36 (GPIV) (Human) mAb -Alexa Fluor® 647 (GS95)
D269-3	Anti-EpCAM (CD326) (Mouse) mAb (2-17-F1)
M076-4	Mouse IgG2a (isotype control)-FITC (6H3)

Kits

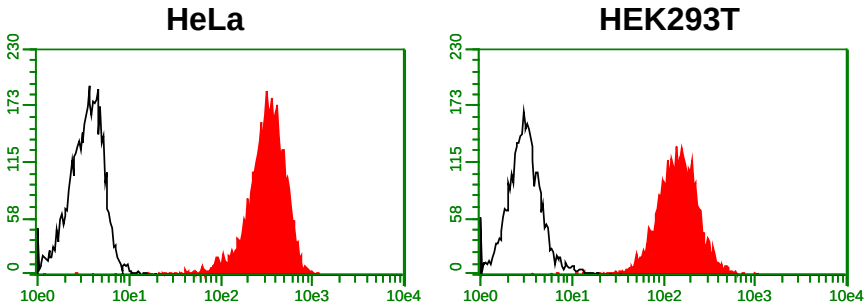
EX-C9-SP	ExoCap™ CD9 Kit for Serum Plasma
EX-C63-SP	ExoCap™ CD63 Kit for Serum Plasma
EX-C81-SP	ExoCap™ CD81 Kit for Serum Plasma
EX-EPC-SP	ExoCap™ EpCAM Kit for Serum Plasma
EX-COM-SP	ExoCap™ Composite Kit for Serum Plasma
MEX-SA	ExoCap™ Streptavidin Kit
MEX-E	ExoCap™ Nucleic Acid Elution Buffer
MEX1001	ExoDiluent for Immunoassay

Other related antibodies and kits are also available.
Please visit our website at http://ruo.mbl.co.jp/

Flow cytometric analysis

1) Wash the cells (5 x 10^5 cells/sample) 1 time with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
2) Add 10 μL of Clear Back (human Fc receptor blocking reagent, MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 10 min. at room temperature.
3) Add 30 μL of the primary antibody at the concentration as suggested in the **APPLICATION** diluted with washing buffer.
4) Mix well and incubate for 30 min. at room temperature.
5) Wash the cells 1 time with 1 mL of washing buffer.
6) Resuspend the cells with 500 μL of the washing buffer and analyze by a flow cytometer.

(Positive controls for Flow cytometry; HeLa and HEK293T)



Flow cytometric detection of human CD9

Left: HeLa
Right: HEK293T

Open: Mouse IgG2a (isotype control)-FITC (M076-4)
Closed: Anti-CD9 mAb-FITC (MEX001-4)