

# Anti-PSMA (Human) mAb-Biotin

**CODE No.** K0142-6

**CLONALITY** Monoclonal  
**CLONE** 107-1A4  
**ISOTYPE** Mouse IgG1  
**QUANTITY** 50 µg/50 µL

**SOURCE** Purified IgG from hybridoma supernatant  
**IMMUNOGEN** LNCaP cell homogenate  
**FORMULATION** PBS (pH 7.2) 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.

## APPLICATIONS-CONFIRMED

Flow cytometry 3-5 µg/mL (final concentration)  
Sandwich CLEIA Can be used.

## SPECIES CROSS REACTIVITY on FCM

Species	Human	Mouse	Rat	Guinea Pig
Cell	LNCaP	Not tested	Not tested	Not tested
Reactivity	+			

**Entrez Gene ID** 2346 (Human)

**REFERENCES**

- 1) Kawakami, K., *et al.*, *BMC Cancer* **17**, 316 (2017)
- 2) Wang, S., *et al.*, *Int. J. Cancer* **15**, 871-876 (2001)
- 3) Brown, L. G., *et al.*, *Prostate Cancer Prostatic Dis.* **1**, 208-215 (1998)

For more information, please visit our web site <http://ruo.mbl.co.jp/>

**RELATED PRODUCTS**Antibodies

K0142-6	Anti-PSMA (Human) mAb-Biotin (107-1A4)
K0142-3	Anti-PSMA (Human) mAb (107-1A4)
K0142-4	Anti-PSMA (Human) mAb-FITC (107-1A4)
K0142-5	Anti-PSMA (Human) mAb-PE (107-1A4)
MEX001-3	Anti-CD9 mAb (A100-4)
MEX001-4	Anti-CD9 mAb-FITC (A100-4)
MEX001-6	Anti-CD9 mAb-Biotin (A100-4)
MEX001-12	Anti-CD9 mAb-ALP (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)
MEX002-12	Anti-CD63 mAb-ALP (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)
MEX003-12	Anti-CD81 (TAPA1) mAb-ALP (A103-10)
MEX004-6	Anti-CD326 (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 $\beta$ 1) (Human) mAb (AG89)
D050-5	Anti-CD29 (Integrin $\beta$ 1) (Human) mAb-PE (AG89)
D276-3	Anti-CD36 (GPIV) (Human) mAb (GS95)
D276-A48	Anti-CD36 (GPIV) (Human) mAb -Alexa Fluor <sup>®</sup> 488 (GS95)
D276-A64	Anti-CD36 (GPIV) (Human) mAb -Alexa Fluor <sup>®</sup> 647 (GS95)
D269-3	Anti-EpCAM (CD326) (Mouse) mAb (2-17-F1)
M075-6	Mouse IgG1 (isotype control)-Biotin (2E12)

Kits

MEX-SA	ExoCap™ Streptavidin Kit
MEX-SA123	ExoCap™ Streptavidin CD9/CD63/CD81 Set-Biotin
MEX-E	ExoCap™ Nucleic Acid Elution Buffer
MEX1001	ExoDiluent for Immunoassay

Equipment

3190	Magnetic Rack
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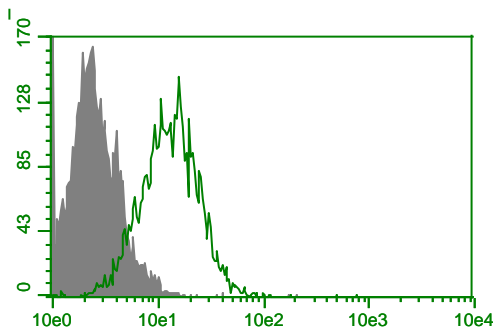
Other related antibodies and kits are also available.

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### **Flow cytometric analysis**

- 1) Wash the cells ( $5 \times 10^5$  cells/sample) 3 times with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 10  $\mu$ L of Clear Back (MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 5 min. at room temperature.
- 3) Add 30  $\mu$ L of primary antibody diluted with washing buffer as suggested in the **APPLICATION**. Mix well and incubate for 30 min. at room temperature.
- 4) Wash the cells 1 time with 1 mL of washing buffer.
- 5) Add 30  $\mu$ L of 1:100 Streptavidin-DTAF diluted with washing buffer. Mix well and incubate for 15 min. at room temperature.
- 6) Wash the cells 1 time with 1 mL of the washing buffer.
- 7) Resuspend the cells with 500  $\mu$ L of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; LNCaP)



### ***Flow cytometric detection of human PSMA expressed on LNCaP cells***

Open: Anti-PSMA (Human) mAb-Biotin (K0142-6)

Closed: Mouse IgG1 (isotype control)-Biotin (M075-6)