

Biotin anti-mouse Podoplanin

Catalog # / Size: 127403 / 50 µg
127404 / 500 µg

Clone: 8.1.1

Isotype: Syrian Hamster IgG

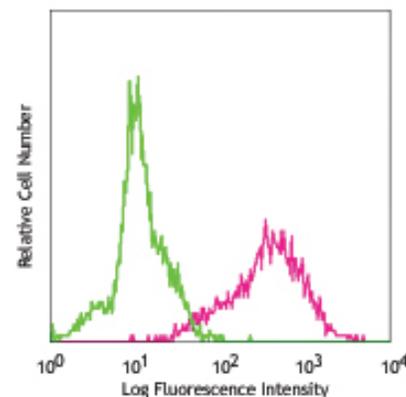
Reactivity: Mouse Podoplanin

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Mouse thymic epithelial stromal cell line TE-71 stained with biotinylated 8.1.1, followed by Sav-PE

Applications:

Applications: FC - Quality tested
IHC - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is $\leq 0.25 \mu\text{g}$ per 10^6 cells in $100 \mu\text{l}$ volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry⁶.

Application References:

1. Farr A, et al. 1992. *J. Histochem. Cytochem.* 40:651.
2. Farr AG, et al. 1992. *J. Exp. Med.* 176:1477.
3. Bekiaris V, et al. 2008. *J. Immunol.* 180:6768.
4. Algars A, et al. 2011. *Blood* 117:4387. PubMed
5. Reis VO, et al. 2012. *Immunobiology.* 217:831. PubMed
6. Kaji C, et al. 2012. *Acta. Histochem. Cytochem.* 45:227. (IHC)

Description: The mucin-type glycoprotein podoplanin is thought to be involved in the development of the lymphatic vascular system. Podoplanin is named after its expression in the kidney glomerular epithelial cells (podocytes). It has a potential role in tumor progression.

Antigen References:

1. Farr A, et al. 1992. *J. Histochem. Cytochem.* 40:651.
2. Schacht V, et al. 2005. *Am. J. Pathol.* 166:913.

Related Products:

Product	Clone	Application
Biotin Syrian Hamster IgG Isotype Ctrl	SHG-1	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC



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