SONY

Product Data Sheet

Biotin anti-mouse Podoplanin

Catalog # / Size: 1237015 / 50 µg
1237020 / 500 µg

Clone: 8.1.1

Isotype: Hamster IgG

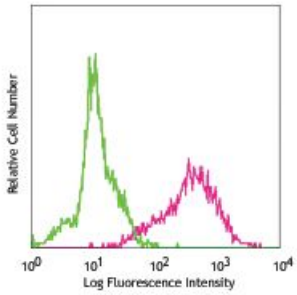
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions.

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

Workshop Number: 750 under optimal conditions.

Concentration: 0.5



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

Applications:

Applications: Flow Cytometry, Immunohistochemistry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per 10^6 cells in 100 µl 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: immunohistochemistry[6].

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)
7. Kretschmer S, *et al.* 2013. *PLoS One.* 8:e52201. PubMed.

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.

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Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com