SONY

Product Data Sheet

PE/Dazzle™ 594 anti-mouse Podoplanin

Catalog # / Size: 1237095 / 25 µg
1237100 / 100 µg

Clone: 8.1.1

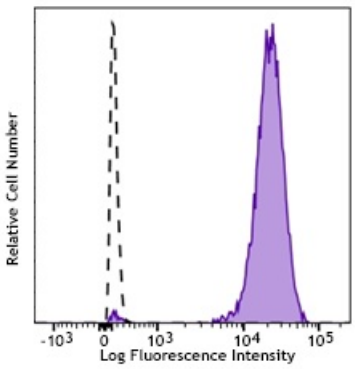
Isotype: Hamster IgG

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

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

Concentration: 0.2 mg/ml



Mouse thymic epithelial stromal cell line TE-71 stained with Podoplanin (clone 8.1.1) PE/Dazzle™ 594 (filled histogram) or anti-hamster (Syrian) IgG PE/Dazzle™ 594 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

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 ≤0.125 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

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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