

**PE anti-mouse Podoplanin**

**Catalog # / Size:** 1237035 / 50 µg  
1237040 / 200 µg

**Clone:** 8.1.1

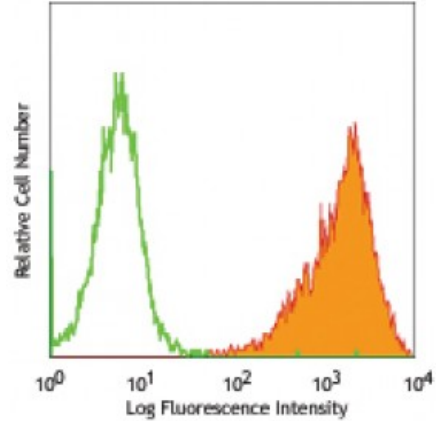
**Isotype:** Hamster IgG

**Reactivity:** Mouse

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

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

**Concentration:** 0.2



TE-71, mouse thymic epithelial stromal cell line, stained with 8.1.1 PE

**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 ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume or 100 microL of whole blood. 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<sup>6</sup>.

**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.