

**PerCP/Cyanine5.5 anti-mouse Podoplanin**

**Catalog # /** 1237110 / 100 µg  
**Size:** 1237105 / 25 µg

**Clone:** 8.1.1

**Isotype:** Hamster IgG

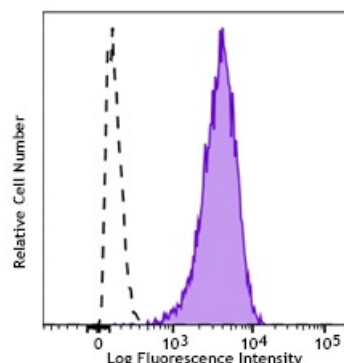
**Immunogen:** Mouse CCR2 transfectants.

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 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) PerCP/Cyanine5.5 (filled histogram) or anti-hamster (Syrian) IgG PerCP/Cyanine5.5 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  $\leq 0.25$  µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

**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.