

**APC/Fire™ 750 anti-mouse Podoplanin**

**Catalog # / Size:** 1237130 / 100 µg  
1237125 / 25 µg

**Clone:** 8.1.1

**Isotype:** Hamster IgG

**Immunogen:** CHO cells transfected with mouse CD73

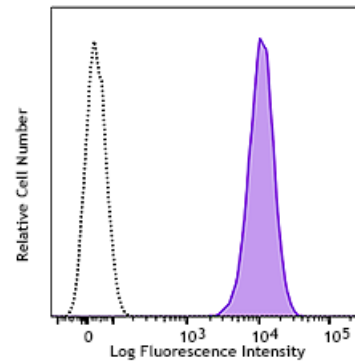
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

**Workshop Number:** 750 under optimal conditions.

**Concentration:** 0.2 mg/ml

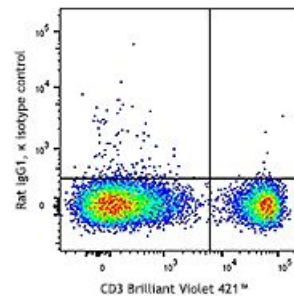


Mouse thymic epithelial stromal cell line TE-71 was stained with Podoplanin (clone 8.1.1) APC/Fire™ 750 (filled histogram) or Syrian hamster IgG APC/Fire™ 750 isotype control (open histogram).

**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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.



\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

**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.