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# Product Data Sheet

# Purified anti-mouse Podoplanin

**Catalog # / Size:** 127401 / 50 µg
127402 / 500 µg

**Clone:** 8.1.1

**Isotype:** Syrian Hamster IgG

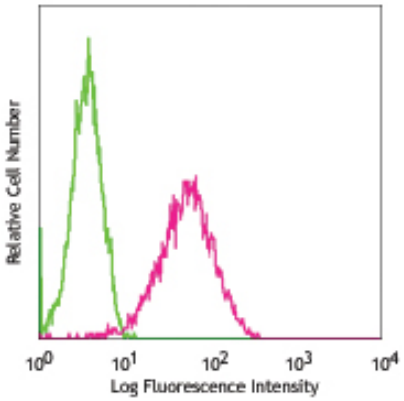
**Reactivity:** Mouse Podoplanin

**Preparation:** The antibody was purified by affinity chromatography.

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.




*TE-71 cells stained with purified 8.1.1, followed by anti-Syrian hamster IgG FITC*

# Applications:

**Applications:** FC - *Quality tested*
IHC - *Reported in the literature*

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