

## Alexa Fluor® 488 anti-mouse Podoplanin

**Catalog # / Size:** 127405 / 25 µg  
127406 / 100 µg

**Clone:** 8.1.1

**Isotype:** Syrian Hamster IgG

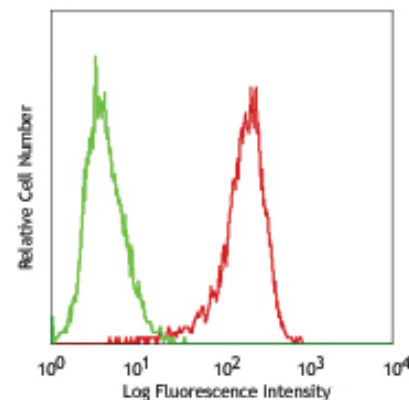
**Reactivity:** Mouse Podoplanin

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.

**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 and protected from prolonged exposure to light. **Do not freeze.**



TE-71 mouse thymic epithelial stromal cell line stained with 8.1.1 Alexa Fluor® 488

## Applications:

**Applications:** FC - Quality tested

**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  $\leq 0.25$  µg per  $10^6$  cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

\*\* Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

**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. Fujikura D, *et al.* 2013. *PLoS One.* 8:e55321. 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.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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