



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Technically  
Speaking

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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Mouse Platelet  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8960AP</b>	Purified	250µg	1.0 mg/ml	CLCRGM00
<b>CL8960F</b>	FITC	100µg	0.1 mg/ml	CLCRGM01
<b>CL8960F-3</b>	FITC	300µg	0.1 mg/ml	CLCRGM01

Isotype: Rat IgM

**DESCRIPTION:**

Cedarlane's anti-mouse platelet monoclonal antibody (clone AIP21) detects an unidentified antigen on mouse platelets that is not identical to CD9, GPIV or integrins. This antigen is also present on B16F10 and KN-3 cells, but not thymocytes or splenocytes. This antibody induces mouse platelet aggregation in the absence of plasma components via an FcR-independent mechanism. A dramatic increase in tyrosine phosphorylation of the 52 kDa Shc protein was observed during AIP21-mediated platelet aggregation.

This antibody is suitable for use in flow cytometry and functional assays.

**PRESENTATION:**

**Purified:** Purified IgM buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from culture supernatant via proprietary precipitation methods). For maximum recovery of contents, spin down tube before use.

**FITC:** FITC conjugated IgM buffered in PBS, 0.02% NaN<sub>3</sub> and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

**STORAGE/STABILITY:**

Store at 4°C. For long term storage (**Purified** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

**SPECIFICATIONS:**

Clone: AIP21

Specificity: Mouse Platelets

*Continued....*

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**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration:  $1 \times 10^6$  cells per test

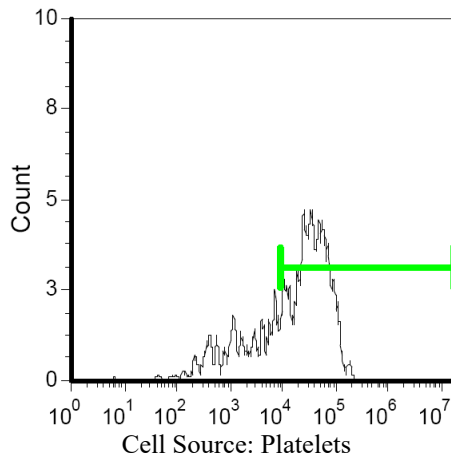
Antibody Concentration Used:  $2.0 \mu\text{g}/10^6$  cells

Cell Source:

Platelets

Percentage of cells stained above control:

67.7 %



**N.B. Appropriate control samples should always be included in any labeling studies.**

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

**REFERENCES:**

- 1) Ogawa, M., Y. Matsuzaki, S. Nishikawa, S. Hayashi, T. Kunisada, T. Sudo, T. Kina, H. Nakauchi, S. Nishikawa. 1991. Expression and Function of c-kit in Hematopoietic Progenitor Cells. *J. Exp. Med.* 174:63-71.
- 2) Suda, T., S. Okada, J. Suda, Y. Miura, M. Ito, T. Sudo, S. Hayashi, S. Nishikawa, H. Nakauchi. 1989. A Stimulatory Effect of Recombinant Murine Interleukin-7 (IL-7) on B-Cell Colony Formation and Inhibitory Effect of IL-1 $\alpha$ . *Blood* 74(6):1936-1941
- 3) Kunisada, T., Lu, SZ., Yoshida, H., Nishikawa, S., Nishikawa, SI., Mizoguchi, M., Hayashi, SI., Tyrrell, L., Williams, D.A., Wang, X., Longley, B.J. 1998. Murine Cutaneous Mastocytosis and Epidermal Melanocytosis Induced by Keratinocyte Expression of Transgenic Stem Cell Factor. *J. Exp. Med.* 187(10): 1565-1573.

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