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Lieferung & Zahlungsart

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

SANTA CRUZ BIOTECHNOLOGY, INC.

PSGL-1 (m): 293T Lysate: sc-122816

BACKGROUND

PSGL-1, P-Selectin glycoprotein ligand (also designated CD162) exists as a disulfide-linked homodimer. PSGL-1 is a type 1 membrane protein that localizes on the tips of microvilli of leukocytes. Its extracellular domain is rich in serines, threonines and prolines, and includes a series of 15 and 16 decameric repeats in HL-60 and U-937 cells, and human leukocytes, respectively. Although PSGL-1 appears to be the sole receptor for P-Selectin on human hematopoietic cells, it also interacts with E-Selectin through a unique binding site. In order to bind PSGL-1 to either E-Selectin or P-Selectin, PSGL-1 must be sialylated and fucosylated. PSLG-1 is a mucin-like molecule, much like leukosialin (CD43), CD164 and CD34. These proteins belong to an emerging family of cell adhesion receptors called sialomucins, which transduce negative signals in hematopoietic cells.

REFERENCES

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2. Sako, D., Chang, X., Barone, K., Vachino, G., White, H., Shaw, G., Veldman, G., Bean, K., Ahern, T. and Furie, B. 1993. Expression cloning of a functional glycoprotein ligand for P-Selectin. Cell 75: 1179-1186.
3. Veldman, G., Bean, K., Cumming, D., Eddy, R. and Sait, S. 1995. Genomic organization and chromosomal localization of the gene encoding human P-Selectin glycoprotein ligand. J. Biol. Chem. 7: 16470-16475.
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5. Li, F., Erickson, H., James, J., Moore, K., Cummings, R. and McEver, R. 1996. Visualization of P-Selectin glycoprotein ligand-1 as a highly extended molecule and mapping of protein epitopes for monoclonal antibodies. J. Biol. Chem. 271: 6342-6348.
6. Levesque, J.P., Zannettino, A.C., Pudney, M., Niutta, S., Haylock, D., Snapp, K., Kansas, G., Berndt, M. and Simmons, P. 1999. PSGL-1-mediated adhesion of human hematopoietic progenitors to P-Selectin results in suppression of hematopoiesis. Immunity 11: 369-378.

CHROMOSOMAL LOCATION

Genetic locus: Selplg (mouse) mapping to 5 F.

PRODUCT

PSGL-1 (m): 293T Lysate represents a lysate of mouse PSGL-1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

PSGL-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PSGL-1 antibodies .Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.