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Zuschläge

- 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](https://www.linkedin.com/company/szaboscandic) 

CD81 (h2): 293T Lysate: sc-175333

BACKGROUND

CD81, also called TAPA-1, is a type III transmembrane protein that is broadly expressed on cells of hematopoietic, neuroectodermal and mesenchymal origin. CD81 is believed to be involved in both cell growth and signal transduction. CD81 can be present as a multimolecular complex in association with CD37 and/or CD53, or on the surface of B cells in association with CD19, CD21 and/or MHC class II antigens.

REFERENCES

- Oren, R., Takahashi, S., Doss, C., Levy, R. and Levy, S. 1990. TAPA-1, the target of an antiproliferative antibody, defines a new family of transmembrane proteins. *Mol. Cell. Biol.* 10: 4007-4015.
- Wright, M.D. and Tomlinson, M.G. 1994. The ins and outs of the transmembrane 4 superfamily. *Immunol. Today* 15: 588-594.
- Fearon, D.T. and Carter, R.H. 1995. The CD19/CR2/TAPA-1 complex of B lymphocytes: linking natural to acquired immunity. *Annu. Rev. Immunol.* 13: 127-149.
- Boismenu, R., Rehin, M., Fischer, W.H. and Havran, W.L. 1996. A role for CD81 in early T cell development. *Science* 271: 198-200.
- Mannion, B.A., Berditchevski, F., Kraeft, S.K., Chen, L.B. and Hemler, M.E. 1996. Transmembrane-4 superfamily proteins CD81 (TAPA-1), CD82, CD63, and CD53 specifically associated with integrin $\alpha 4 \beta 1$ (CD49d/CD29). *J. Immunol.* 157: 2039-2047.
- Szollosi, J., Horejsi, V., Bene, L., Angelisova, P. and Damjanovich, S. 1996. Supramolecular complexes of MHC class I, MHC class II, CD20, and tetraspan molecules (CD53, CD81, and CD82) at the surface of a B cell line JY. *J. Immunol.* 157: 2939-2946.
- Maecker H.T., Todd, S.C., Kim, E.C. and Levy, S. 2000. Differential expression of murine CD81 highlighted by new anti-mouse CD81 monoclonal antibodies. *Hybridoma* 19: 15-22.
- Sasaki, M., Yamauchi, K., Nakanishi, T., Kamogawa, Y. and Hayashi, N. 2003. *In vitro* binding of hepatitis C virus to CD81-positive and -negative human cell lines. *J. Gastroenterol. Hepatol.* 18: 74-79.

CHROMOSOMAL LOCATION

Genetic locus: CD81 (human) mapping to 11p15.5.

PRODUCT

CD81 (h2): 293T Lysate represents a lysate of human CD81 transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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.

PROTOCOLS

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

APPLICATIONS

CD81 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD81 antibodies. Recommended use: 10-20 μ l per lane.

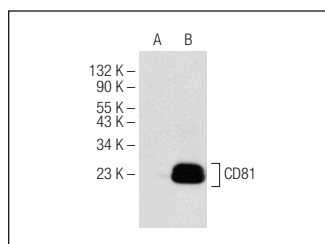
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CD81 (5A6): sc-23962 is recommended as a positive control antibody for Western Blot analysis of enhanced human CD81 expression in CD81 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



CD81 (5A6): sc-23962. Western blot analysis of CD81 expression in non-transfected: sc-117752 (A) and human CD81 transfected: sc-175333 (B) 293T whole cell lysates.

RESEARCH USE

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