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Diagnostik & molekulare Diagnostik



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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CD10 (m): 293T Lysate: sc-119092

BACKGROUND

CD10, also called the common acute lymphoblastic leukemia antigen (CALLA) and neutral endopeptidase (NEP), is a type II integral membrane glycoprotein. CD10 acts as a zinc metalloprotease that cleaves a variety of biologically active peptides including Angiotensins I and II. It is expressed on early B and T lymphoid precursors, B blasts, some granulocytes, bone marrow stromal cells and certain epithelial cells including some tumor cell lines. CD10 is used as a marker of common acute lymphocytic leukemias and some lymphomas.

REFERENCES

1. Horejsi, V., Angelisova, P., Bazil, V., Kristofova, H., Stoyanov, S., Stefanova, I., Hausner, P., Vosecky, M. and Hilgert, I. 1988. Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18 kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). *Folia Biol.* 34: 23-34.
2. Shipp, M.A. and Look, A.T. 1993. Hematopoietic differentiation antigens that are membrane-associated enzymes: cutting is the key! *Blood* 82: 1052-1070.
3. Schlossman, S.L., Bloumsell, W., Gilks, J.M., Harlan, C., Kishimoto, J., Ritz, S., Shaw, R., Silverstein, T., Springer, T.F., Tedder and R.F. Todd, eds. 1995. *Leukocyte Typing V: White Cell Differentiation Antigens*. Oxford: Oxford University Press.
4. Lu, B., Gerard, N.P., Kolakowski, L.F., Bozza, M., Zurakowski, D., Finco, O., Carroll, M.C. and Gerard, C. 1995. Neutral endopeptidase modulation of septic shock. *J. Exper. Med.* 181: 2271-2275.
5. Kalled, S.L., Siva, N., Stein, H. and Reinherz, E.L. 1995. The distribution of CD10 (NEP 24.11, CALLA) in human and mice is similar in non-lymphoid organs but differs within the hematopoietic system: absence on murine T and B lymphoid progenitors. *Eur. J. Immunol.* 25: 677-687.
6. Barclay, A.N., Brown, M.H., Law, S.K.A., McKnight, A.J., Tomlinson, M.G. and van der Merwe, P.A., eds. 1997. *The Leukocyte Antigens Facts Book*, 2nd Edition, CD10 Section, New York: Academic Press, 154.
7. Bene, M.C. and Faure, G.C. 1997. CD10 in acute leukemias. *Haematologica* 82: 205-210.
8. LocusLink Report (LocusID: 4311). <http://www.ncbi.nlm.nih.gov/LocusLink/>

CHROMOSOMAL LOCATION

Genetic locus: Mme (mouse) mapping to 3 E1.

PRODUCT

CD10 (m): 293T Lysate represents a lysate of mouse CD10 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.

APPLICATIONS

CD10 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive CD10 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.

RESEARCH USE

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

PROTOCOLS

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