

CD48 (h2): 293T Lysate: sc-175059

BACKGROUND

CD48 is a GPI-anchored glycoprotein that may act as a low affinity receptor for CD2. CD48 is expressed on all peripheral blood T, B and null cells, thymocytes, eosinophils, a portion of bone marrow cells and some epithelial cells. Rat CD48 is found on hematopoietic and endothelial cells, and mouse CD48 is found on thymocytes, lymph node cells, most macrophages and bone marrow cells. CD48 has been shown to be associated with the tyrosine kinase Lck.

REFERENCES

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7. Katsuura, M., Yokoyama, S., Shimizu, Y., Akiba, K., Mitsui, T., Sendo, D. and Hayasaka, K. 1994. Increased expression of CD48 on neutrophils activated in childhood patients with aplastic anemia. *Int. J. Hematol.* 60: 281-285.

CHROMOSOMAL LOCATION

Genetic locus: CD48 (human) mapping to 1q23.3.

PRODUCT

CD48 (h2): 293T Lysate represents a lysate of human CD48 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CD48 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD48 antibodies. Recommended use: 10-20 µl per lane.

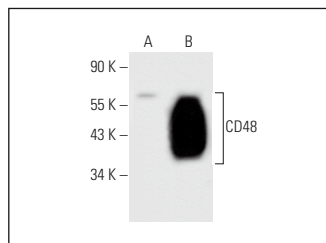
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CD48 (O.N.140): sc-70719 is recommended as a positive control antibody for Western Blot analysis of enhanced human CD48 expression in CD48 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

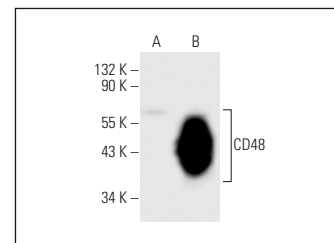
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



CD48 (O.N.140): sc-70719. Western blot analysis of CD48 expression in non-transfected: sc-117752 (A) and human CD48 transfected: sc-175059 (B) 293T whole cell lysates.



CD48 (MEM-102): sc-51558. Western blot analysis of CD48 expression in non-transfected: sc-117752 (A) and human CD48 transfected: sc-175059 (B) 293T whole cell lysates.

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.

PROTOCOLS

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