

CD69 (h): 293T Lysate: sc-175259

BACKGROUND

CD69 is expressed as a disulfide-linked homodimer called the activation inducer molecule (AIM), which is composed of two differentially glycosylated forms of a single protein. CD69 is among the earliest antigens to appear after activation of T cells, B cells and NK cells. CD69 is expressed constitutively on platelets, CD4⁺ or CD8⁺ thymocytes, and germinal center T cells, but is absent from resting lymphocytes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CD69 (human) mapping to 12p13.31.

PRODUCT

CD69 (h): 293T Lysate represents a lysate of human CD69 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CD69 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD69 antibodies. Recommended use: 10-20 µl per lane.

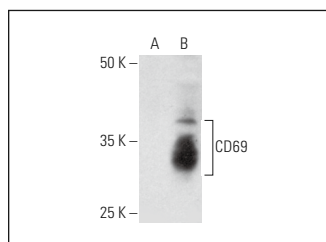
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CD69 (E-10): sc-515604 is recommended as a positive control antibody for Western Blot analysis of enhanced human CD69 expression in CD69 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



CD69 (E-10): sc-515604. Western blot analysis of CD69 expression in non-transfected: sc-117752 (A) and human CD69 transfected: sc-175259 (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.