ICAM-3 (h): 293T Lysate: sc-116577



The Boures to Overtion

BACKGROUND

Cell adhesion molecules (CAMs) are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth. These proteins are thought to play an important role in embryogenesis and development. ICAM-3, also designated CD50 and ICAM-R, is a type I membrane protein that is thought to regulate morphological changes during cell locomotion. ICAM-3 acts as a counter-receptor for the leukocyte Integrin $\alpha L/\beta 2$, and is known to activate T cells and polymorphonuclear leukocytes. ICAM-3 also binds to Moesin, via the cytoplasmic domain of ICAM-3. The expression of ICAM-3 is induced by RANTES, a chemoattractant known to activate T lymphocytes. ICAM-3 is also a major ligand for the leukocyte Integrin LFA-1 (CD11a/CD18).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ICAM3 (human) mapping to 19p13.2.

PRODUCT

ICAM-3 (h): 293T Lysate represents a lysate of human ICAM-3 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.

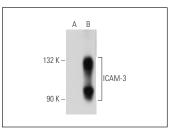
APPLICATIONS

ICAM-3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ICAM-3 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.

ICAM-3 (ICO-60): sc-52426 is recommended as a positive control antibody for Western Blot analysis of enhanced human ICAM-3 expression in ICAM-3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



ICAM-3 (ICO-60): sc-52426. Western blot analysis of ICAM-3 expression in non-transfected: sc-117752 (A) and human ICAM-3 transfected: sc-116577 (B) 293T

PROTOCOLS

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