



# SZABO SCANDIC

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Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

## 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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3. Szabo, M.C., Butcher, E.C., McIntyre, B.W., Schall, T.J. and Bacon, K.B. 1997. RANTES stimulation of T lymphocyte adhesion and activation: role for LFA-1 and ICAM-3. *Eur. J. Immunol.* 27: 1061-1068.
4. Hayflick, J.S., Kilgannon, P. and Gallatin, W.M. 1998. The intercellular adhesion molecule (ICAM) family of proteins. New members and novel functions. *Immunol. Res.* 17: 313-327.
5. Bell, E.D., May, A.P. and Simmons, D.L. 1998. The leukocyte function-associated antigen-1 (LFA-1)-binding site on ICAM-3 comprises residues on both faces of the first immunoglobulin domain. *J. Immunol.* 161: 1363-1370.
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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  $\mu$ g protein in 200  $\mu$ 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.

## RESEARCH USE

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

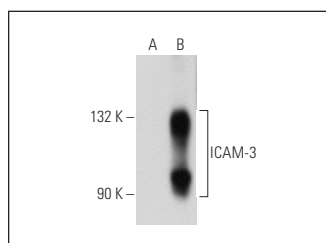
## APPLICATIONS

ICAM-3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ICAM-3 antibodies. Recommended use: 10-20  $\mu$ l per lane.

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

ICAM-3 (IC0-60): 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 (IC0-60): sc-52426. Western blot analysis of ICAM-3 expression in non-transfected: sc-117752 (A) and human ICAM-3 transfected: sc-116577 (B) 293T whole cell lysates.

## PROTOCOLS

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