ABSTRACT

ICAM-1 and VCAM-1 mediate adhesion of U937 cells to proximal and distal SSc skin.

Figure 2. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin mononuclear cells.

Figure 3. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin ECs.

Figure 4. ICAM-1 and VCAM-1 mediate adhesion of U937 cells to proximal and distal SSc skin.

CONCLUSIONS

1. SSc fibroblasts express higher levels of ICAM-1 and VCAM-1 compared to normal fibroblasts.
2. Neutralization of ICAM-1 and VCAM-1 reduces U937 cell adhesion to SSc fibroblasts.
3. JAM-B, JAM-C, and CD99 do not mediate myeloid cell adhesion to SSc fibroblasts.

IMMUNOHISTOLOGICAL ANALYSIS

Figure 5. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin ECs.

IMMUNOHISTOLOGICAL ANALYSIS

Figure 6. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin mononuclear cells.

CONCLUSIONS

1. CD99 is overexpressed on SSc dermal fibroblasts compared to normal fibroblasts.
2. CD99 expression is increased in SSc skin compared to normal skin.
3. Neutralization of CD99 reduces U937 cell adhesion to SSc fibroblasts.

IMMUNOHISTOLOGICAL ANALYSIS

Figure 7. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin mononuclear cells.

CONCLUSIONS

1. JAM-B, JAM-C, and CD99 are overexpressed in SSc skin.
3. JAM-B, JAM-C, and CD99 do not mediate myeloid cell adhesion to SSc fibroblasts.

IMMUNOHISTOLOGICAL ANALYSIS

Figure 8. Immunohistological analysis of JAM-B, JAM-C, and CD99 on SSc and normal skin mononuclear cells.

CONCLUSIONS

1. JAM-B, JAM-C, and CD99 are overexpressed in SSc skin.
3. JAM-B, JAM-C, and CD99 do not mediate myeloid cell adhesion to SSc fibroblasts.

MATERIALS AND METHODS

Patient samples

Skin samples were collected from SSc patients and healthy controls. The patients included SSc patients with anti-Scl-70 antibodies and systemic vasculitis. The skin samples were processed by a standardized protocol. Immunohistochemical analysis was performed using standard protocols. The results were analyzed using appropriate statistical methods.

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