



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Mouse anti-CD54 (ICAM-1), clone F4-31C2 (Monoclonal)

Clone no. F4-31C2

MONOSAN

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Product name	Mouse anti-CD54 (ICAM-1), clone F4-31C2 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IF
Species reactivity	human
Conjugate	-
Immunogen	human umbilical cord vein endothelial cells (HUVEC)
Isotype	IgG2a-K
Clonality	Monoclonal
Clone number	F4-31C2
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

## Mouse anti-CD54 (ICAM-1), clone F4-31C2 (Monoclonal)

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**Additional info**

F4-31C2 reacts with CD54 or ICAM1 (Intercellular Adhesion Molecule 1). ICAM1 belongs to the immunoglobulin superfamily, C2 subset, is a transmembrane molecule of 90 kDa with 7 potential N-glycosylation sites. It is expressed on resting monocytes and endothelial cells and in response to inflammatory cytokines such as TNF-alpha, IL1 and IFN-gamma, can be highly upregulated on many other cells, e.g. on B- and T-lymphocytes, thymocytes, dendritic cells and also on keratinocytes, chondrocytes, as well as epithelial cells. CD54 mediates cell adhesion by binding to integrin CD11a/CD18 (LFA 1) and to CD1b/CD18 (Mac 1). The interaction of CD54 with LFA 1 enhances antigen specific T-cell activation. CD54 also binds to CD43, fibrinogen, most human rhinoviruses and to Plasmodium falciparum infected erythrocytes. ICAM1 may also be related to progression and metastasis of tumors.

**References**

1. Johnson, J.P., et al., in Knapp, W., et al. Leucocyte Typing IV, pp 681-683 (1989)
2. -
3. -
4. -
5. -

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