



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Mouse anti ICAM-3

Catalogue number: **MUB2029P**

Clone	MA4
Isotype	IgG1/k
Product Type	Primary Antibodies
Units	0.1mg
Host	Mouse
Species reactivity	Human
Application	ELISA Flow cytometry Immunoblotting Immunocytochemistry Immunohistochemistry (frozen) Immunoprecipitation

## Distributors

For Purchasing Information, please contact your local distributor

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### Background

Intercellular adhesion molecule 3 (ICAM3) also known as CD50 (Cluster of Differentiation 50), is a type I transmembrane glycoprotein, which normally contain 2-9 immunoglobulin-like C2-type domains, and binds to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. ICAM-3 has previously been implicated in apoptotic cell clearance, although its precise role in the clearance process is ill defined.

### Source

MA4 is a mouse monoclonal IgG1/k antibody derived by fusion of mouse Ag8.653 cells with spleen cells from a BALB/c mouse immunized with an ICAM-3/HEK transfectant.

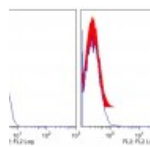
### Product

Each vial contains 100 µl 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

### Applications

MA4 is suitable for immunoblotting,

MA4\_FC Figure 1 Mutu (human B cell line) that were wild type (left panel) or ICAM-3-deficient (right panel) were stained with mAb MA4 (blue line) or an isotype control (solid red). Per tube,  $2 \times 10^5$  cells were stain



MUB2029P\_E Figure 2 Purified ICAM-3-Fc or CD14-Fc was captured to an ELISA plate and probed with the indicated dilution of mAb MA4. The binding of mAb

immunocytochemistry, immunohistochemistry on frozen tissues and flow cytometry. Optimal antibody dilution should be determined by titration; recommended range is 1:100 – 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

### Specificity

MA4 recognizes a linear epitope in domains 1 and 2 of ICAM-3. MA4 robustly inhibits apoptotic cell interaction with phagocytes

### Storage

Store at 4°C, or in small aliquots at -20°C.

### References

1. Torr EE, Gardner DH, Thomas L, Goodall DM, Bielemeier A, Willetts R, Griffiths HR, Marshall LJ, Devitt A. Apoptotic cell-derived ICAM-3 promotes both macrophage chemoattraction to and tethering of apoptotic cells. *Cell Death Differ.* 2012;19: 671–679.

was detected anti-mouse-HRP (11000; GE Healthcare) and OPD detec

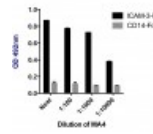


Figure 3 Purified ICAM-3-Fc was separated by using PAGE and transferred via electroblotting to nitrocellulose membrane.

