



# 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

### SZABO-SCANDIC HandelsgmbH

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## Anti- Human CD146 (TEA1/34)

| Fluorochrome | Reference  | Size     |
|--------------|------------|----------|
| Pure         | 146PU-OIMG | 100 test |
| FITC         | 146F-100T  | 100 test |
| PE           | 146PE-100T | 100 test |
| PerCP        | 146PP-100T | 100 test |
| APC          | 146A-100T  | 100 test |
| Biotin       | 146B-OIMG  | 100 test |

### PRODUCT DESCRIPTION

**Clone:** TEA1/34

**Isotype:** IgG2a

**Tested application:** flow cytometry

**Immunogen:** The anti-CD146 monoclonal antibody derives from T cells from human endothelial cells HUVECs.

**Species reactivity:** Human

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's CD146, clone TEA1/34, is a monoclonal antibody intended for the identification and enumeration of MUC18/MCAM antigen, an activation antigen of human T lymphocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using  $\leq 1 \mu\text{g}/10^5$  cells.

**Presentation:** liquid

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

### ANTIGEN DETAILS

**Large description:** This antibody reacts with the CD146 antigen, which is expressed on melanoma cells, epithelial cells, endothelial cells, fibroblasts, activated T cells, multipotent mesenchymal stromal cells, and activated keratinocytes. CD146 mediates heterophilic cell adhesion and regulates monocyte transendothelial migration. The ligand of CD146 remains to be identified. Among peripheral whole blood leucocytes, CD146 expression is not detected, except on a subset of activated T-lymphocytes.<sup>(1-4)</sup>

**Other Names:** S- Endo, Cell surface glycoprotein MUC20

**Gene ID:** 4162

**Molecular weight:** 118 kDa

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### REFERENCES

- Pickl WF, Majdic O, Fischer GF, Petzelbauer P, Fae I, Waclavicek M, et al. MUC18/MCAM (CD146), an activation antigen of human T lymphocytes. *J Immunol* 1997 Mar 01;158(5):2107-15.
- Anfosso F, Bardin N, Frances V, Vivier E, Camoin-Jau L, Sampol J, et al. Activation of human endothelial cells via S-endo-I antigen (CD146) stimulates the tyrosine phosphorylation of focal adhesion kinase p125(FAK). *J Biol Chem* 1998 Oct 09;273(41):26852-6.
- Bardin N, Anfosso F, Masse JM, Cramer E, Sabatier F, Le Bivic A, et al. Identification of CD146 as a component of the endothelial junction involved in the control of cell-cell cohesion. *Blood* 2001 Dec 15;98(13):3677-84.
- Bidlingmaier S, He J, Wang Y, An F, Feng J, Barbone D, et al. Identification of MCAM/CD146 as the target antigen of a human monoclonal antibody that recognizes both epithelioid and sarcomatoid types of mesothelioma. *Cancer Res* 2009 Feb 15;69(4):1570-7.

### MANUFACTURED BY



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