



# 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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## Anti- Human CD147 (VJ1/9)

Fluorochrome	Reference	Size
Pure	147PU1-01MG	100 test
FITC	147F1-100T	100 test
PE	147PE1-100T	100 test
PerCP	147PPI-100T	100 test
APC	147A1-100T	100 test
CF- Blue	147CFB1-100T	100 test

### PRODUCT DESCRIPTION

**Clone:** VJ1/9

**Isotype:** IgG1

**Tested application:** flow cytometry

**Immunogen:** The anti-CD147 monoclonal antibody derives from activated HUVEC cells.

**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 CD147, clone VJ1/9, is a monoclonal antibody intended for the identification and enumeration of leukocytes, erythrocytes, platelets, and endothelial cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>5</sup> 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 CD147 antigen which reacts with Basigin or Neurothelin, a transmembrane glycoprotein (50-60kd) of the immunoglobulin super-gene family. Neurothelin is a molecule which is broadly expressed on cells of hematopoietic and non-hematopoietic origin but primarily expressed on leukocytes, erythrocytes, platelets, and endothelial cells. Neurothelin is a blood brain barrier-specific molecule. Its expression on specific cell types may be regulated by cytokines. CD147 is reported to have a function during embryonal brain development and/or play a role in integrin-mediated adhesion in brain endothelia.<sup>(1-5)</sup>

**Other Names:** Neurothelin, Basigin, EMMPRIN

**Gene ID:** 682

**Molecular weight:** 50-65 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

- Gao J, Hu Z, Liu J, Liu D, Wang Y, Cai M, et al. Expression of CD147 and Lewis y antigen in ovarian cancer and their relationship to drug resistance. *Med Oncol May*;31(5):920.
- Sudou A, Ozawa M, Muramatsu T. Lewis X structure increases cell substratum adhesion in L cells. *J Biochem*1995 Feb;117(2):271-5.
- Fadool JM, Linser PJ. Evidence for the formation of multimeric forms of the 5A11/HT7 antigen. *Biochem Biophys Res Commun*1996 Dec 04;229(1):280-6.
- Ikeda E, Flamme I, Risau W. Developing brain cells produce factors capable of inducing the HT7 antigen, a blood-brain barrier-specific molecule, in chick endothelial cells. *Neurosci Lett*1996 May 17;209(3):149-52.
- Schuster VL, Lu R, Kanai N, Bao Y, Rosenberg S, Prie D, et al. Cloning of the rabbit homologue of mouse 'basigin' and rat 'OX-47': kidney cell type-specific expression, and regulation in collecting duct cells. *Biochim Biophys Acta*1996 Mar 27;1311(1):13-9.

### MANUFACTURED BY



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