



# 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 CD117 (104D2)

Fluorochrome	Reference	Size
PE	I17PE-100T	100 test
APC	I17A-100T	100 test
PerCP –Cyanine 5.5	I17PPC5.5-100T	100 test
PE – Cyanine7	I17PC7-100T	100 test

### PRODUCT DESCRIPTION

**Clone:** 104D2

**Isotype:** IgG1

**Tested application:** flow cytometry

**Immunogen:** The anti-CD117 monoclonal antibody derives from MOLM-1 megakaryocytic cell line.

**Species reactivity:** Human, Cross-Reactivity: Cynomolgus, Cattle (Bovine, Cow)

**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 CD117, clone 104D2, is a monoclonal antibody intended for the identification and enumeration of lymphoid progenitor using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using ≤1 µg/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 CD117 antigen, which is expressed within the haematopoietic compartment on approximately 50 % of CD34+ progenitors engaged in erythrocytic, myelomonocytic and megakaryocytic differentiation. The 104D2 monoclonal antibody reacts with human CD117, also known as c-Kit, Steel factor receptor and stem cell factor receptor. A member of the tyrosine kinase receptor family, this 145 kDa molecule is expressed by hematopoietic progenitor cell subsets and mast cells. The interaction of c-Kit and Steel factor promotes proliferation and differentiation of hematopoietic progenitor cells and mast cell differentiation.<sup>(1-5)</sup>

**Other Names:** Stem cell factor receptor, c-kit, mast cell growth factor receptor, steel factor receptor.

**Gene ID:** 3815

**Molecular weight:** 145 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

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- Ikuta K, Uchida N, Friedman J, Weissman IL. Lymphocyte development from stem cells. *Annu Rev Immunol*1992;10:759-83.
- Werfel T, Zwirner J, Oppermann M, Sieber A, Begemann G, Drommer W, et al. CD88 antibodies specifically bind to C5aR on dermal CD117+ and CD14+ cells and react with a desmosomal antigen in human skin. *J Immunol*1996 Aug 15;157(4):1729-35.
- Bravo P, Agustin BD, Bellas C, Gonzalez D, Camara C, Fuertes IF, et al. Expression of high amounts of the CD117 molecule in a case of B-cell non-Hodgkin's lymphoma carrying the t(14:18) translocation. *Am J Hematol*2000 Apr;63(4):226-9.

### MANUFACTURED BY



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