

## Technical Data Sheet

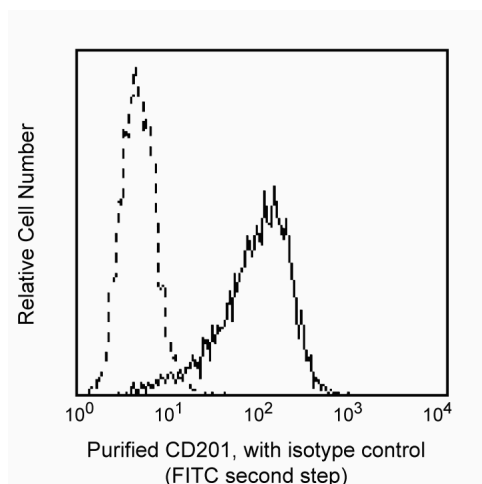
**Purified Rat Anti-Human CD201****Product Information**

<b>Material Number:</b>	<b>552500</b>
<b>Alternate Name:</b>	EPCR
<b>Size:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	RCR-252
<b>Isotype:</b>	Rat IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	VII 70424
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

**Description**

Reacts with endothelial cell protein C receptor (EPCR), a 25 kDa, type I transmembrane glycoprotein, expressed on endothelial cells in arteries, veins and capillaries. EPCR is also referred to as CD201. It binds protein C and augments its activation. Reports indicate that EPCR is expressed on several malignant cell lines. Malignant cell lines that express EPCR also show significant levels of protein C activation and this activation could be inhibited by anti-EPCR antibody.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



*Profile of anti-CD201 (RCR-252) reactivity on ECV304 cells analyzed by flow cytometry. Second step staining with Cat. No. 554016.*

**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4° C.

**Application Notes****Application**

Flow cytometry

Routinely Tested

**Recommended Assay Procedure:**

This product is routinely tested on ECV304 cell line.

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## Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
554016	FITC Goat Anti-Rat Igs	0.5 mg	Polyclonal
555839	Purified Rat IgG1, $\kappa$ Isotype Control	0.1 mg	R3-34

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

## References

Mason D, Andre P, Bensussan A, ed. *Leukocyte Typing VII*. New York: Oxford University Press; 2002.(Clone-specific)

Biguzzi E, Merati G, Liaw PC, et al. A 23bp insertion in the endothelial protein C receptor (EPCR) gene impairs EPCR function. *Thromb Haemost.* 2001; 86(4):945-948.(Biology)

Tsuneyoshi N, Fukudome K, Horiguchi S, et al. Expression and anticoagulant function of the endothelial cell protein C receptor (EPCR) in cancer cell lines. *Thromb Haemost.* 2001; 85(2):356-361.(Biology)