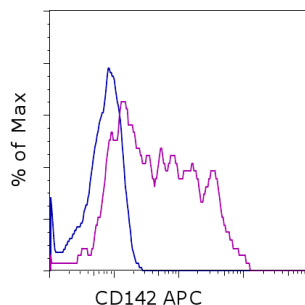


Anti-Human CD142 APC

Catalog Number: 17-1429

Also known as: Tissue factor

RUO: For Research Use Only. Not for use in diagnostic procedures.



Normal human peripheral blood cells were either left unstimulated (blue histogram) or stimulated for 4 hours with LPS (purple histogram) and then stained with Anti-Human CD142 APC. Total viable cells were used for analysis.

Product Information



Contents: Anti-Human CD142 APC

Catalog Number: 17-1429

Clone: HTF-1

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This HTF-1 monoclonal antibody reacts with human CD142, which is also known as Tissue Factor. Expression of this type I transmembrane glycoprotein on endothelial cells, monocytes, macrophages, and platelets can be induced by inflammatory mediators (e.g., LPS, IL-1b, TNF α , PMA, or endotoxin). On the other hand, CD142 is expressed constitutively by some tumor cells (e.g., lung, pancreatic, breast, and colon) and non-immune tissues such as the vasculature, central nervous system, kidney, epithelia, and placenta. Studies have also suggested that CD142 exists as a soluble form that circulates in blood. CD142 initiates blood coagulation by associating with and activating the circulating factors VII and VIIa.

The HTF-1 antibody has been reported to exhibit blocking activity.

Applications Reported

This HTF-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HTF-1 antibody has been pre-titrated and tested by flow cytometric analysis of LPS-stimulated normal human peripheral blood cells. This can be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Butenas S, Orfeo T, Mann KG. Tissue factor activity and function in blood coagulation. *Thromb. Res.* 2008; 122 Suppl 1:542-6.

Maugeri N, Brambilla M, Camera M, Carbone A, Tremoli E, Donati MB, de Gaetano G, Cerletti C. Human polymorphonuclear leukocytes produce and express functional tissue factor upon stimulation. *J Thromb Haemost.* 2006 Jun;4(6):1323-30. (**HTF-1**, FC, ICC)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

Anti-Human CD142 APC

Catalog Number: 17-1429

Also known as: Tissue factor

RUO: For Research Use Only. Not for use in diagnostic procedures.

Ruach U, Bonderman D, Bohrmann B, Badimon JJ, Himber J, Riderer MA, Nemerson Y. Transfer of tissue factor from leukocytes to platelets is mediated by CD15 and tissue factor. *Blood*. 2000 Jul 1;96(1):170-5. (**HTF-1**, FA)

Giesen PL, Rauch U, Bohrmann B, Kling D, Roque M, Fallon JT, Badimon JJ, Himber J, Riederer MA, Nemerson Y. Blood-borne tissue factor: another view of thrombosis. *Proc. Natl Assoc Sci U S A*. 1999 Mar 2;95(5): 2311-5.

Herbert JM, Savi P, Laplace MC, Lale A. IL-4 inhibits LPS-, IL-1 beta- and TNF alpha-induced expression of tissue factor in endothelial cells and monocytes. *FEBS Lett*. 1992 Sep 21;310(1):31-3.

Faulk WP, Labarrere CA, Carson SD. Tissue factor: identification and characterization of cell types in human placenta. *Blood*. 1990 Jul 1;76(1):86-96. (**HTF-1**, WB, FA)

Carson SD, Ross SE, Bach R, Guha A. An inhibitory monoclonal antibody against human tissue factor. *Blood*. 1987 Aug;70(2):490-3. (**HTF-1**, FA)

Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)