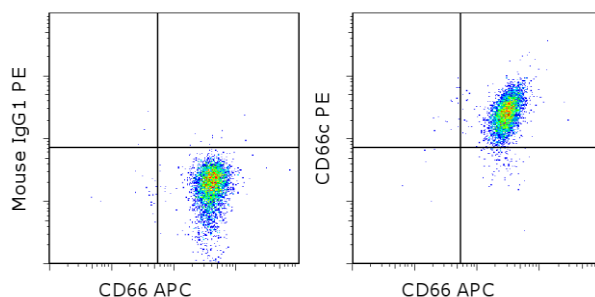


Anti-Human CD66c PE

Catalog Number: 12-0667

Also known as: CEACAM6

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



Staining of normal human peripheral blood cells with Anti-Human CD66 APC (cat. 17-0668) and Mouse IgG1 K Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD66c (right). Cells in the granulocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD66c PE

Catalog Number: 12-0667

Clone: KOR-SA3544

Concentration: 5 μ L (0.125 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 KOR-SA3544 monoclonal antibody reacts with human CD66c (also known as CEACAM6), which is one of the splice variants of CD66. CD66c is expressed on endothelial and epithelial cells, as well as on neutrophils and monocytes. Myeloma and cancer cells, such as B-cell acute lymphoblastic lymphomas, also express CD66c. Moreover, expression of this receptor can be induced on T cells, B cells, and CD16-negative NK cells. Like the other CD66 splice variants, CD66c is involved in cell adhesion and growth, neutrophil activation, and signaling. Moreover, expression of CD66c in leukemic cells has been correlated with BCR/ABL1 rearrangement. Finally, studies have shown that the CD66 variants interact with each other homo- and heterotypically.

Applications Reported

This KOR-SA3544 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This KOR-SA3544 antibody has been pre-titrated and tested by flow cytometry analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.125 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

Skubitz KM, Skubitz AP. Interdependency of CEACAM-1, -3, -6, and -8 induced human neutrophil adhesion to endothelial cells. *J Transl Med.* 2008 Dec 10;6:78.

Kuespert K, Pils S, Hauck CR. CEACAMs: their role in physiology and pathophysiology. *Curr Opin Cell Biol.* 2006 Oct;18(5):565-71.

Kalina T, Vaskova M, Mejstrikova E, Madzo J, Trka J, Stary J, Hrusak O. Myeloid antigens in childhood lymphoblastic leukemia: clinical data point to regulation of CD66c distinct from other myeloid antigens. *BMC Cancer.* 2005 Apr 12;5:38. (**KOR-SA3544**, FC)

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Sugita K, Mori T, Yokota S, Kuroki M, Koyama TO, Inukai T, Iijima K, Goi K, Tezuka T, Kojika S, Shiraishi K, Nakamura M, Miyamoto N, Karakida N, Kagami K, Nakazawa S. The KOR-SA3544 antigen predominantly expressed on the surface of Philadelphia chromosome-positive acute lymphoblastic leukemia cells is nonspecific cross-reacting antigen-50/90 (CD66c) and invariably expressed in cytoplasm of human leukemia cells. Leukemia. 1999 May;13(5):779-85. (**KOR-SA3544**, FC)

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-0668 Anti-Human CD66 APC