

Technical Data Sheet

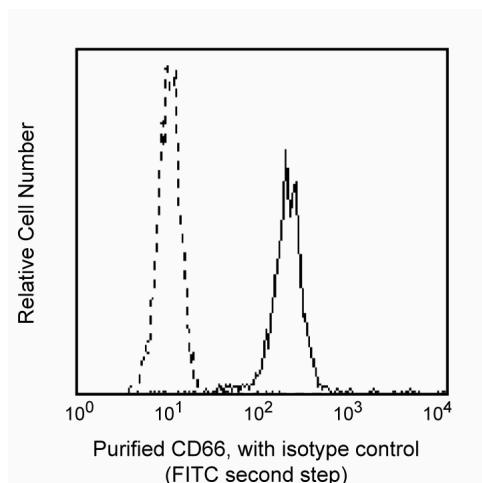
Purified Mouse Anti-Human CD66c

Product Information

Material Number:	551355
Alternate Name:	CEA, carcinoembryonic antigen
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	B6.2/CD66
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	VI MA86
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with two glycosylphosphatidylinositol-anchored glycoprotein present on granulocytes. Antibody B6.2 was studied as recognizing CD66c in the VI Human Leukocyte Differentiation Antigen workshop. CD66 antigens also known as the carcinoembryonic antigen (CEA) family of molecules, are closely related to the immunoglobulin super family of glycoproteins. Studies on CD66 molecules suggest a potential adhesion function in vivo. These molecules exhibit both homophilic and heterophilic adhesion. CEA family members may be involved in transmembrane signalling and activation of neutrophils. This clone has been found to be N-terminal domain reactive, reacted preferentially with the native protein and were conformationally dependent.



Profile of peripheral blood granulocytes analyzed by flow cytometry. Second step staining with Cat. No. 555988.

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
----------------	------------------

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

BD Biosciences

www.bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit www.bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2007 BD



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 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

- Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leukocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997. (Clone-specific)
- Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Biology)
- Kuroki M, Arakawa F, Matsuo Y, et al. Molecular cloning of nonspecific cross-reacting antigens in human granulocytes. *J Biol Chem*. 1991; 266(18):11810-11817. (Biology)
- Skubitz KM, Campbell KD, Ahmed K, Skubitz AP. CD66 family members are associated with tyrosine kinase activity in human neutrophils. *J Immunol*. 1995; 155(11):5382-5390.(Biology)
- Szpak CA, Johnston WW, Lottich SC, Kufe D, Thor A, Schlom J. Patterns of reactivity of four novel monoclonal antibodies (B72.3, DF3, B1.1 and B6.2) with cells in human malignant and benign effusions. *Acta Cytol*. 1984; 28(4):356-367.(Biology)
- Thompson JA, Grunert F, Zimmermann W. Carcinoembryonic antigen gene family: molecular biology and clinical perspectives. *J Clin Lab Anal*. 1991; 5(5):344-366.(Biology)
- Watt SM, Teixeira AM, Zhou GQ, et al. Homophilic adhesion of human CEACAM1 involves N-terminal domain interactions: structural analysis of the binding site. *Blood*. 2001; 98(5):1469-1479.(Biology)