

Technical Data Sheet

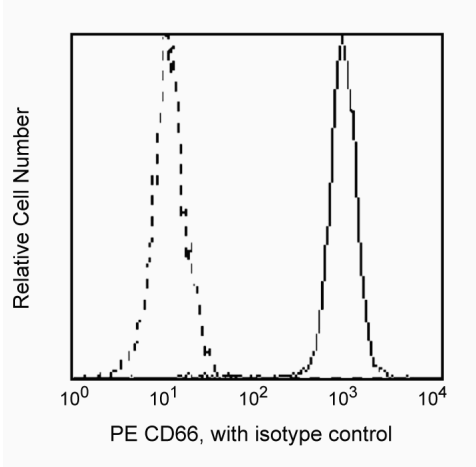
PE Mouse Anti-Human CD66

Product Information

Material Number:	551480
Alternate Name:	CEA, carcinoembryonic antigen
Size:	100 tests
Vol. per Test:	20 µl
Clone:	B1.1/CD66
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	VI MA87
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with several glycosylphosphatidylinositol-anchored glycoproteins present on granulocytes and epithelial cells. Antibody B1.1 was studied as recognizing CD66a, c, d and e in the VI Human Leukocyte Differentiation Workshop. CD66 antigens, also known as the carcinoembryonic antigen (CEA) family of molecules, are closely related to the immunoglobulin superfamily 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.



Profile of anti-CD66, clone B1.1/CD66 staining peripheral blood granulocytes analyzed by flow cytometry

Preparation and Storage

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555574	PE Mouse IgG2a, κ Isotype Control	100 tests	G155-178

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
4. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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