Technical Data Sheet

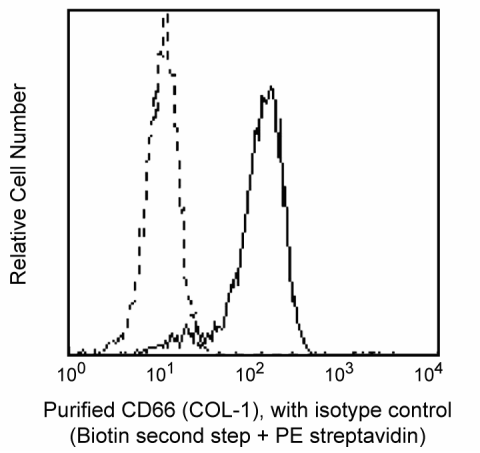
Purified Mouse Anti-Human CD66

Product Information

Material Number:	**551477**
Alternate Name:	CEA, carcinoembryonic antigen
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	COL-1
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	VI MA84
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with a 35 and a 180 kDa glycosylphosphatidylinositol-anchored glycoprotein present on granulocytes and epithelial cells. Antibody COL-1 was studied as recognizing CD66d and CD66e 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 ashesion. CEA family members may be involved in transmembrane signalling and activation of neutrophils.



Profile of peripheral blood granulocytes analyzed by flow cytometry. *Second step staining with biotinylated goat anti-mouse Ig's, third step staining with Streptavidin-PE.*

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
555571	Purified Mouse IgG2a, κ Isotype Control	0.1 mg	G155-178
554061	PE Streptavidin	0.5 mg	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/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.

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References

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