

Technical Data Sheet

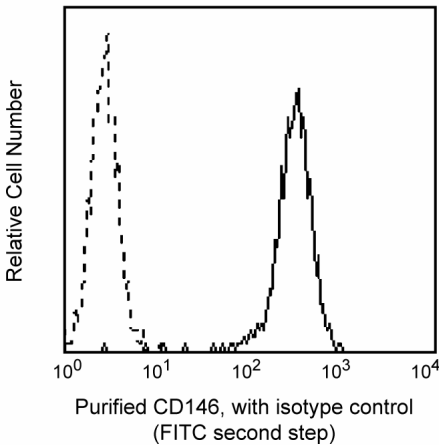
Purified Mouse Anti-Human CD146

Product Information

Material Number:	550314
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	P1H12
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with a 118 kDa transmembrane glycoprotein also known as MCAM, MUC18, MeI-CAM. CD146 is a member of the immunoglobulin superfamily and is expressed on endothelial cells, melanoma cells, smooth muscle, intermediate trophoblasts and has been reported as being present on a subpopulation of activated T cells. P1H12 monoclonal antibody has been reported to block endothelial cell adhesion and has been observed very early in embryogenesis. It can be useful in the study of embryologic vasculogenesis. This antibody is suitable for immunohistochemical staining of acetone-fixed frozen tissue sections, immunoprecipitation and ELISA.



Profile of HeLa cell line 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
Immunohistochemistry-frozen	Reported
ELISA	Reported
Immunoprecipitation	Reported

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

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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.

References

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Shih IM. The role of CD146 (Mel-CAM) in biology and pathology. *J Pathol*. 1999; 189(1):4-11.(Biology)

Shih IM, Elder DE, Hsu MY, Herlyn M. Regulation of Mel-CAM/MUC18 expression on melanocytes of different stages of tumor progression by normal keratinocytes. *Am J Pathol*. 1994; 145(4):837-845.(Biology)