

## Technical Data Sheet

## Purified Mouse Anti-Human CD66f

## Product Information

<b>Material Number:</b>	559587
<b>Size:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	IID10
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	VI MA89
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

Reacts with placenta-specific glycoprotein, SP-1, a 54-72 kDa molecule also known as pregnancy-specific glycoprotein (PSG). CD66f belongs to the carcinoembryonic family of proteins. It is produced in placental syncytiotrophoblasts, fetal liver, and myeloid cell lines. Its role in immune regulation and protection of fetus from maternal immune system has not been fully elucidated. This reagent is suitable for immunohistochemical staining of formalin-fixed, paraffin-embedded tissue sections.

## 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

Immunohistochemistry-frozen	Routinely Tested
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development

## Suggested Companion Products

Catalog Number	Name	Size	Clone
550337	Biotin Goat Anti-Mouse Ig (Multiple Adsorption)	1.0 ml	Polyclonal
550946	Streptavidin HRP	50 ml	(none)
550880	DAB Substrate Kit	500 tests	(none)
550878	Purified Mouse IgG1 $\kappa$ Isotype Control	1.0 ml	MOPC-31C

## 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](http://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

- Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997. (Clone-specific)
- Engvall E, Miyashita M, Ruoslahti E. Monoclonal antibodies in analysis of oncoplacental protein SP1 in vivo and in vitro. *Cancer Res.* 1982; 42(5):2028-2033. (Biology)

## BD Biosciences

[www.bdbiosciences.com](http://www.bdbiosciences.com)

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

For country-specific contact information, visit [www.bdbiosciences.com/how\\_to\\_order/](http://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

