Technical Data Sheet

# Purified Mouse Anti-Human CD66f

## Product Information

| | |
|---|---|
| **Material Number:** | **559587** |
| **Size:** | 0.1 mg |
| **Concentration:** | 0.5 mg/ml |
| **Clone:** | IID10 |
| **Isotype:** | Mouse IgG1, κ |
| **Reactivity:** | QC Testing: Human |
| **Workshop:** | VI MA89 |
| **Storage Buffer:** | Aqueous buffered solution containing ≤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 κ 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 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, Ruosiahti 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

| 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/**