Purified Mouse Anti-Human CD66b

Product Information

Material Number: 555723
Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: G10F5
Isotype: Mouse IgM, κ
Reactivity: QC Testing: Human
Workshop: V ST-127, MA020
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with CD66b, a glycosylphosphatidylinositol (GPI) linked protein with a molecular weight of 100 kD expressed on granulocytes. This molecule was previously clustered as CD67 in the Fourth Human Leucocyte Differentiation Antigen (HLDA) Workshop and renamed CD66b in the Fifth HLDA Workshop. CD66b is a member of the carcinoembryonic antigen (CEA)-like glycoprotein family present on granulocytes and referred to as non-specific cross-reacting antigens (NCA). Granulocyte activation induced with soluble stimulators (calcium ionophore, phorbol myristate acetate, N-formylmethionyl-leucyl-phenylalanine) results in release and increased expression of NCA. Findings suggest that these molecules may play a role in phagocytosis, chemotaxis and adherence.

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 |
| Fluorescence microscopy | Tested During Development |

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
| 555581 | Purified Mouse IgM, κ Isotype Control | 0.1 mg | G155-228 |
| 555988 | FITC Goat Anti-Mouse IgG/IgM | 0.5 mg | Polyclonal |

Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)
Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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