

Technical Data Sheet

FITC Mouse Anti-Human CD98

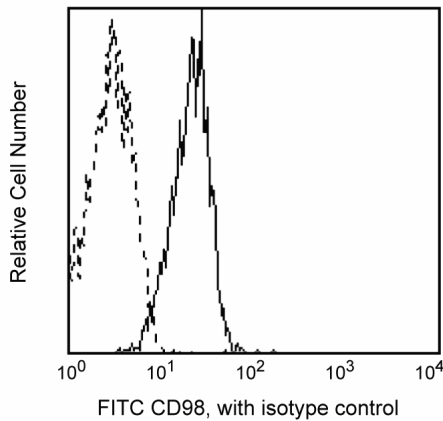
Product Information

|                  |   |
|------------------|---|
| Material Number: | 556076  |
| Size:            | 100 tests   |
| Vol. per Test:   | 20 µl   |
| Clone:           | UM7F8   |
| Isotype:         | Mouse IgG1 κ  |
| Reactivity:      | QC Testing: Human   |
| Workshop:        | V BP420   |
| Storage Buffer:  | Aqueous buffered solution containing BSA and ≤0.09% sodium azide. |

Description

Reacts with a 125 kDa, disulfide-linked heterodimer composed of a glycosylated heavy chain, type II membrane glycoprotein and a non-glycosylated light chain. CD98 is broadly expressed on peripheral blood lymphocytes, monocytes and granulocytes (low). It is also expressed on non-hemtopoietic cells. Reports suggest that CD98 may be involved in the regulation of cellular activation.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Profile of CD98 expressed on peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

|                |                  |
|----------------|------------------|
| Application    |                  |
| Flow cytometry | Routinely Tested |

Suggested Companion Products

| Catalog Number | Name                              | Size      | Clone   |
|----------------|-----------------------------------|-----------|---------|
| 555748         | FITC Mouse IgG1 κ Isotype Control | 100 tests | MOPC-21 |

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## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use  $1 \times 10^6$  cells in a 100- $\mu$ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
4. 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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.(Biology)  
Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)  
Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)