

## Technical Data Sheet

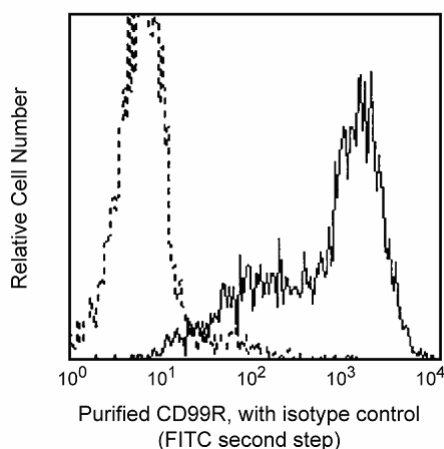
## Purified Mouse Anti-Human CD99R

## Product Information

|                         |  |
|-------------------------|--|
| <b>Material Number:</b> | 555817   |
| <b>Size:</b>            | 0.1 mg   |
| <b>Concentration:</b>   | 0.5 mg/ml  |
| <b>Clone:</b>           | HIT4   |
| <b>Isotype:</b>         | Mouse IgM, $\kappa$  |
| <b>Reactivity:</b>      | QC Testing: Human  |
| <b>Workshop:</b>        | V 5T-059   |
| <b>Storage Buffer:</b>  | Aqueous buffered solution containing $\leq 0.09\%$ sodium azide. |

## Description

Reacts with CD99 (E2 molecule), a highly glycosylated 32 kDa single polypeptide chain. CD99R is an isoform of CD99 with restricted cell distribution. It is expressed on T, NK, and myeloid cells, but not on B cells, erythrocytes, platelets or bone marrow cells. The E2 molecule plays a role in adhesion processes. Antibodies to E2 have an effect in  $Ca^{++}$  flux on Jurkat cells, suggesting a possible role in signal transduction.



Profile of peripheral blood lymphocytes 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

## Suggested Companion Products

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

## BD Biosciences

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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/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/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

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Clone-specific)