

## Technical Data Sheet

## FITC Mouse Anti-Human CD8

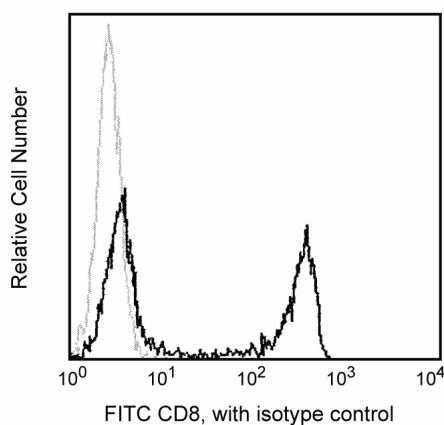
## Product Information

<b>Material Number:</b>	555634
<b>Size:</b>	100 tests
<b>Vol. per Test:</b>	20 µl
<b>Clone:</b>	HIT8a
<b>Isotype:</b>	Mouse IgG1 κ
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	V 5T-CD08.10
<b>Storage Buffer:</b>	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

Reacts with the α subunit (32 kDa) of the two-chain complex. CD8 molecule binds to HLA class I molecules during interaction of CD8+ T cells with antigen-presenting cells or with target cells. CD8 is expressed on T cytotoxic/suppressor cell populations. HIT8a stains approximately 13 - 48% of peripheral blood lymphocytes and 80% of thymocytes, as well as a subset of NK cells. Clones HIT8a and RPA-T8 (Cat. No. 555366) are not cross-blocking.

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 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
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## 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. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
3. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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

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