

Technical Data Sheet

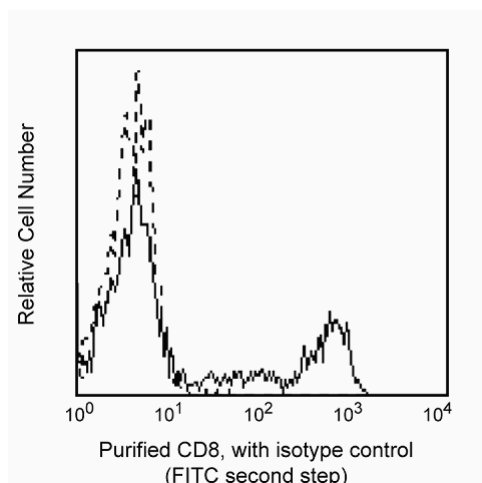
Purified Mouse Anti-Human CD8

Product Information

Material Number:	551346
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	G42-8
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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. G42-8 stains approximately 13-48% of peripheral blood lymphocytes and 80% of thymocytes, as well as a subset of NK cells. This antibody is useful in detecting CD8⁺ T cells when using DimerX I reagents (Cat. No. 551263).



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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555571	Purified Mouse IgG2a, κ Isotype Control	0.1 mg	G155-178
551263	DimerX I: Recombinant Soluble Dimeric Human HLA-A2:Ig Fusion Protein	0.05 mg	(none)
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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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/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

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Biology)