Technical Data Sheet

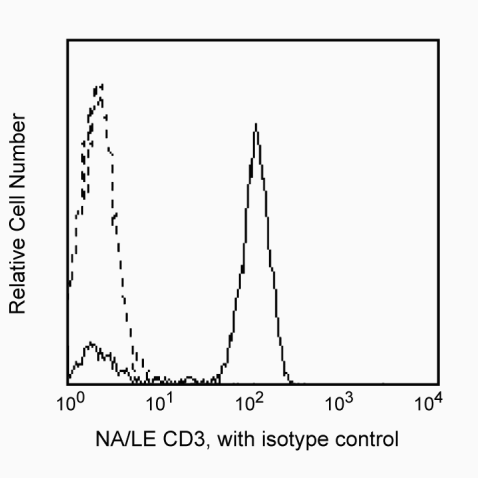
Purified NA/LE Mouse Anti-Human CD3

Product Information

Material Number:	**555336**
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	HIT3a
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	V 5T-CD03.05
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

Reacts with the human ε-chain, a 20 kDa subunit of CD3/T cell antigen receptor complex found on 70-80% of normal human peripheral blood lymphocytes and 60-85% of thymocytes. Studies from the HLDA Workshop show this antibody to be mitogenic when used in conjuction with pokeweed mitogen. CD3 plays a role in signal transduction during antigen recognition. HIT3a antibody does not stain intracellular CD3 unlike the other CD3 clone, UCHT1.



Profile of peripheral blood lymphocytes analyzed by flow cytometry.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry	Routinely Tested
Functional assay	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
554645	Purified NA/LE Mouse IgG2a, κ Isotype Control	0.5 mg	G155-178
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
555337	Purified Mouse Anti-Human CD3	0.1 mg	HIT3a

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.

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References

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