

Technical Data Sheet

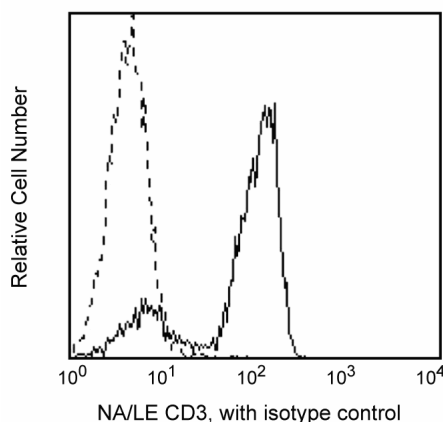
Purified NA/LE Mouse Anti-Human CD3ε

Product Information

Material Number:	557052
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	SP34
Isotype:	Mouse IgG3, λ
Reactivity:	Human
Workshop:	QC Testing: Baboon or Cynomolgus or Rhesus V 5T-CD03.05
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing protein stabilizer, 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

Clone SP34 reacts with human form of the 20 kDa epsilon subunit of the CD3 antigen/T-cell receptor (TCR) complex. This clone also cross-reacts with a major subset of peripheral blood lymphocytes, but not monocytes or granulocytes, of rhesus or cynomolgus and pigtail macaque monkeys. The distribution on lymphocytes is similar to that observed with normal human donor lymphocytes, with the majority of CD3-positive cells being negative when dual stained with antibodies to B or NK cell markers.



Profile of anti-CD3ε reactivity on peripheral blood lymphocytes of rhesus macaque (macaca mulatta) 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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
553466	Purified NA/LE Mouse IgG3, κ Isotype Control	0.5 mg	J606
556610	Purified Mouse Anti-Human CD3ε	0.1 mg	SP34

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

Sancho J, Ledbetter JA, Choi MS, Kanner SB, Deans JP, Terhorst C. CD3-zeta surface expression is required for CD4-p56lck-mediated upregulation of T cell antigen receptor-CD3 signaling in T cells. *J Biol Chem.* 1992; 267(11):7871-7879. (Biology)

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