

## Technical Data Sheet

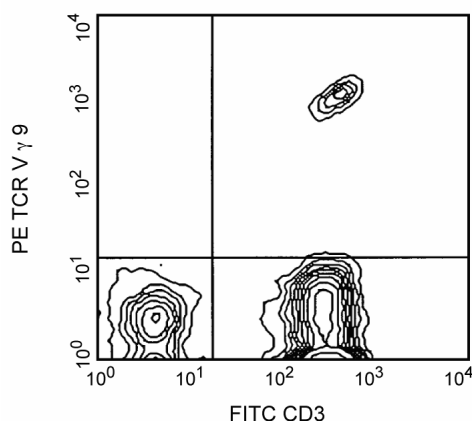
## PE Mouse Anti-Human Vγ9 TCR

## Product Information

Material Number:	555733
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	B3
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

Reacts with the human variable γ9 subunit (Vγ9) of γ/δ T-cell receptor (TCR). The γ/δ TCR is composed of two disulfide-linked glycoproteins. The gamma chain is approximately 45-60 kD and is detected on a small subset peripheral blood T cells and thymocytes. The majority of normal peripheral blood γ/δ T cells express a Vγ9+/Vδ2+ phenotype. The reason for this selection in the T-cell repertoire is not well understood.



Profile of peripheral blood lymphocytes analyzed on a FACSscan (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 R-PE under optimum conditions, and unconjugated antibody and free PE were 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
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

## Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://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

- Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)
- Breit TM, Wolvers-Tettero IL, van Dongen JJ. Receptor diversity of human T-cell receptor gamma delta expressing cells. *Prog Histochem Cytochem*. 1992; 26(1-4):182-193.(Biology)
- Kabelitz D. Function and specificity of human gamma/delta-positive T cells. *Crit Rev Immunol*. 1992; 11(5):281-303.(Biology)