Technical Data Sheet

FITC Hamster Anti-Mouse γδ T-Cell Receptor

Product Information

Material Number: 561996 Size: 50 μg 0.5 mg/mlConcentration: GL3 Clone:

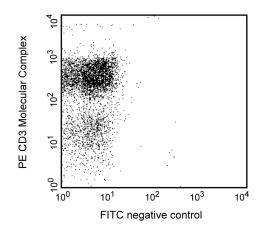
Immunogen: C57BL/6 Mouse Intestinal Intraepithelial Lymphocytes

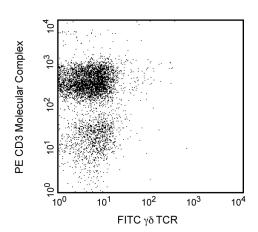
Isotype: Armenian Hamster IgG2, κ Reactivity: QC Testing: Mouse

Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The GL3 antibody reacts with a common epitope of the δ chain of the T-cell Receptor (TCR) complex on $\gamma\delta$ TCR-expressing T lymphocytes and NK-T cells of all mouse strains tested. It does not react with αβ TCR-bearing T cells. In the mouse, cells expressing the γδ TCR are found in the thymus, intestinal epithelium, epidermis, dermis, pulmonsry epithelium, peritoneum, liver, and peripheral lymphoid organs.





Two-color analysis of the expression of γδ TCR on peripheral T lymphocytes. C57BL/6 lymph node cells were incubated simultaneously with PE Rat anti-Mouse CD3 Molecular Complex (Cat. No. 555275, Both Panels) and FITC Hamster anti-Mouse γδ T-Cell Receptor (Right Panel) monoclonal antibodies. Flow cytometry was performed on a BD FACScan™ flow cytometry

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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.

Application Notes

Application

Flow cytometry	Routinely Tested	

Recommended Assay Procedure:

For flow cytometry of cell suspensions from peripheral lymphoid tissues, it is recommended that multicolor staining be performed to distinguish T lymphocytes from non-T cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone	
555275	PE Rat Anti-Mouse CD3 Molecular Complex	0.2 mg	17A2	
550056	FITC Hamster IgG2 κ Isotype Control	0.25 mg	B81-3	
554656	Stain Ruffer (FRS)	500 ml	(none)	

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Product Notices

- 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- Although hamster immunoglobulin isotypes have not been well defined, BD Biosciences Pharmingen has grouped Armenian and Syrian
 hamster IgG monoclonal antibodies according to their reactivity with a panel of mouse anti-hamster IgG mAbs. A table of the hamster IgG
 groups, Reactivity of Mouse Anti-Hamster Ig mAbs, may be viewed at http://www.bdbiosciences.com/documents/hamster_chart_11x17.pdf.
- 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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
- 6. An isotype control should be used at the same concentration as the antibody of interest.

References

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