Technical Data Sheet

APC Rat Anti-Mouse/Anti-Human IL-5

Product Information

Material Number:	562048
Size:	25 μg
Concentration:	0.2 mg/ml
Clone:	TRFK5
Immunogen:	Mouse Semi-Purified T-Cell Clone Supernatant
Isotype:	Rat IgG1, ĸ
Reactivity:	QC Testing: Mouse
-	Tested in Development: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

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Description

The TRFK5 antibody reacts with mouse interleukin-5 (IL-5) and cross-reacts with human IL-5. The TRFK5 antibody has been reported to cross react with IL-5 from rhesus monkey. This is a neutralizing antibody.

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 to APC under optimum conditions, and unconjugated antibody and free APC were removed.

Application Notes

Ap	plication
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Intracellular staining (flow cytometry)	Routinely Tested

Recommended Assay Procedure:

For optimal immunofluorescent staining with flow cytometric analysis, this anti-cytokine antibody should be titrated. A suitable rat IgG1 isotype control assessing the level of background staining on fixed/permeabilized or human cells is APC Rat IgG1 κ , clone R3-34 (Cat. No. 554686). An isotype control should be used at comparable concentrations to antibody of interest. For specific methodology, please visit our website protocol section or refer to Chapter 4: Immunofluorescent Staining of Intracellular Molecules for Flow Cytometric Analysis in our handbook: Techniques for Immune Function Analysis Application Handbook 1st Edition, which also can be found at www.bdbiosciences.com.

Suggested Companion Products

Catalog Number	Name	Size	Clone
554715	BD Cytofix/Cytoperm Plus Kit (with BD GolgiStop)	250 tests	(none)
554686	APC Rat IgG1, κ Isotype Control	0.1 mg	R3-34

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.
- 4. This APC-conjugated reagent can be used in any flow cytometer equipped with a dye, HeNe, or red diode laser.
- 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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Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. J Immunol Methods. 1995; 188(1):117-128. (Methodology: Blocking, Flow cytometry)

Sander B, Andersson J, Andersson U. Assessment of cytokines by immunofluorescence and the paraformaldehyde-saponin procedure. Immunol Rev. 1991; 119:65-93. (Clone-specific: ELISA)

Sarawar SR, Sangster M, Coffman RL, Doherty PC. Administration of anti-IFN-gamma antibody to beta 2-microglobulin-deficient mice delays influenza virus clearance but does not switch the response to a T helper cell 2 phenotype. *J Immunol*. 1994; 153(3):1246-1253. (Clone-specific: ELISA)

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