

PERFORMANCE DATA SHEET

3023

Monoclonal anti-human TIGIT/R-PE*

mAb name/Clone: ANCTG6/10A6

Isotype: Mouse IgG1k

Immunogen: Recombinant human TIGIT

CATALOG#: 340-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrate stock per 5x10⁵-cell test)

INFORMATION: Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) is a co inhibitory receptor expressed by activated T cells, memory T cells, Treg cells and NK cells. It binds to CD155(PVR) and less avidly to CD112(PVRL2).

Antibody ANCTG6 binds to receptors on a sub set of human peripheral blood lymphoid cells, as well as to recombinant TIGIT in EIA.

References: 1) Dougall WC, AC Anderson, et al. (2017) *Immunol Rev* 276(1): 112-120. doi: 10.1111/imr.12518

PMID: 28258695.

STORAGE CONDITIONS: Store at 2 - 5°C. **Do not freeze! Protect from light.**

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

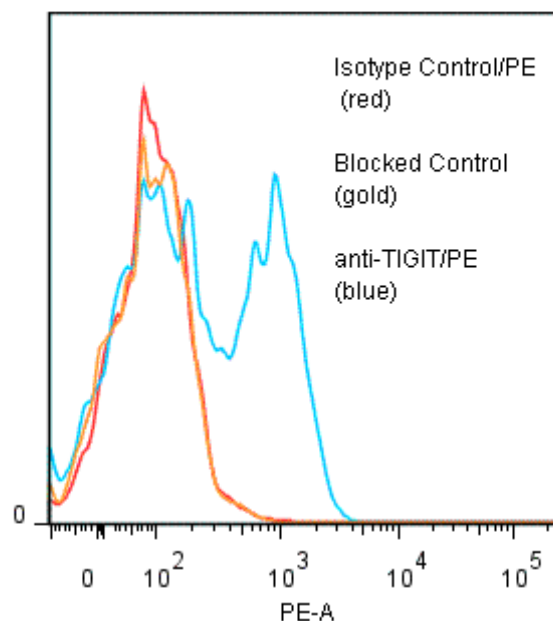
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography.

Antibody conjugate is at **0.5 mg/ml** with a OD_{565/280} ratio of 2.86.

PERFORMANCE: Five x 10⁵ ficoll prepared human peripheral blood mononuclear cells were washed and pre incubated 45 minutes on ice with 20 ul of 300 ug/ml human IgG (to reduce non specific binding) after which they were incubated with 80 ul of anti-TIGIT/PE at a 1:50 (10 µg/ml) dilution. Cells were washed three times, fixed and analyzed by FACS using a lymphoid gate. A 36% sub population of the cells stained positive with a mean shift of 0.99 log₁₀ fluorescent units when compared to a Mouse IgG1/R-PE Isotype control (Catalog #278-050). Binding was blocked when cells were pre incubated with 20 ul of 0.5 mg/ml anti-TIGIT antibody (Cat# 340-020).

Binding of anti-TIGIT/PE to human PBL



* **Research Use Only. Not for use in Diagnostic procedures.**