## PERFORMANCE DATA SHEET 2618



### Monoclonal anti-human TIGIT/Biotin\*

*mAb name/Clone:* ANCTG6/10A6 *Isotype:* Mouse IgG1k *Immunogen:* Recombinant human TIGIT

#### CATALOG#: 340-030 QUANTITY: 100 µg

#### CONCENTRATION: 1.0 mg/ml

**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 of 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<sup>o</sup>C. Freeze/thawing not recommended.

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

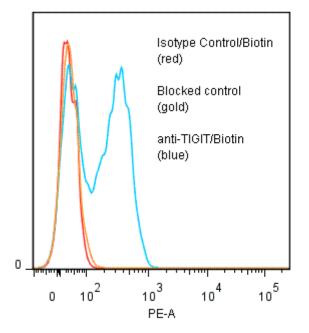
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

**PERFORMANCE:** Five x  $10^5$  ficoll prepared human **PBMC** were washed and incubated 45 minutes on ice with 80 µl of anti-TIGIT/Biotin at a concentration of **5 µg/ml**. Cells were washed twice and incubated with  $2^0$  reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS using a lymphoid gate. A **54%** sub population of the cells stained positive with a mean shift of **1.13 log10** fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were pre incubated 10 minutes with unlabeled anti-TIGIT antibody (Catalog #340-020).

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

# Binding of anti-TIGIT/Biotin +SA/PE to human PBL



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