## PERFORMANCE DATA SHEET 2618 Monoclonal anti-human TIGIT \*



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

## CATALOG#: 340-020 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 is not recommended.

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

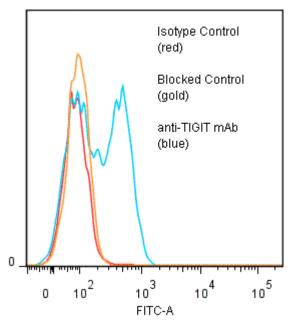
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin sulfate (as a preservative).

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 um filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  ficoll prepared human **PBMC** were washed and pre incubated 10 minutes with 20 ul of 300 ug/ml human IgG (to reduce nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-TIGIT antibody at **1 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed twice, fixed and analyzed by FACS using a lymphocyte gate. A **29%** sub population of cells stained positive with a mean shift of **0.6** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010). Binding was blocked when the reagent was pre incubated with a >10 fold excess of TIGIT-muIg (cat# 556-020).

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

## Binding of anti-TIGIT mAb +GAM/FITC to human PBL



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