

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 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. 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% Na₃N (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 10⁵ 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^o 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

