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Data Sheet

Anti-TIGIT Neutralizing Antibody

Recombinant, Human Monoclonal

Catalog #: 71340

Lot #: 170125 **Conc.:** 4.07 mg/ml

Host Species | Isotype:

Human | IgG1

Formulation: 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

Stability: Stable for at least 12 months at -80°C. Avoid freeze/thaw cycles. Store diluted antibody with carrier protein (BSA 0.1 – 0.5%) at 4°C, stable for 2 weeks.

References:

1. Yu, X., *et al.*, *Nat. Immunol.* 2009; **10(1)**: 48-57.
2. Stanietsky, N., *et al.*, *Proc. Natl. Acad. Sci. (USA)*. 2009; **106(42)**: 17858-17863.

Description: Human Anti-TIGIT neutralizing antibody recognizing the TIGIT binding region on immune cells.

Assay Conditions: CD155/TCR Activator-CHO cells (BPS # 60548) or TCR Activator-CHO cells (BPS # 60539) were seeded in 96-well plate. The next day, cells were incubated with anti-TIGIT neutralizing antibody (BPS # 71210) and TIGIT/NFAT Reporter-Jurkat cells or control NFAT Reporter – Jurkat cells (BPS Cat. #60621). After 5-6 hour incubation, ONE-Step™ Luciferase reagent (BPS Cat. #60690) was added to the cells to measure NFAT activity.

Purification: Protein A affinity chromatography from HEK293 supernatants.

Application: Useful as a reference antibody for screening TIGIT neutralizing antibodies in cell based and biochemical assays.

Specific Activity

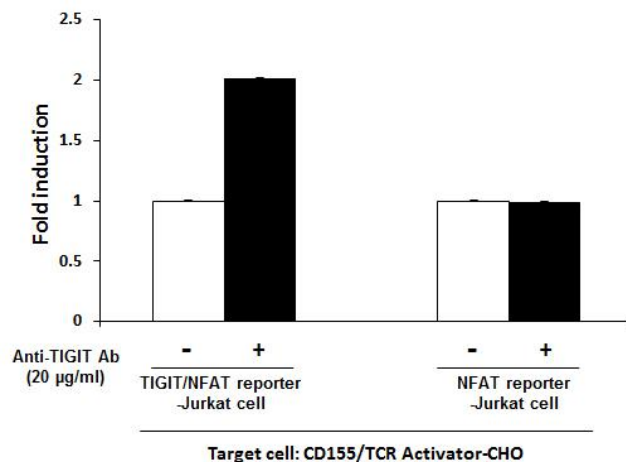


Figure 1: Anti-TIGIT neutralizing antibody induced the NFAT luciferase reporter activity in TIGIT/NFAT Reporter-Jurkat cells, but not in control NFAT Reporter-Jurkat cells, when co-cultured with CD155/TCR Activator-CHO cells

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TIGIT: CD155 Binding Assay

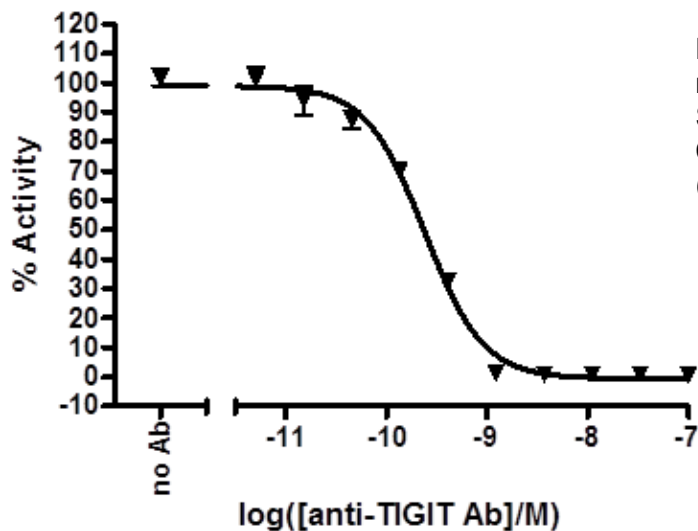


Figure 2: TIGIT:CD155 inhibition, measured using the TIGIT:CD155 Inhibitor Screening Assay Kit, BPS Bioscience, Catalog #72029 and an anti-TIGIT antibody (BPS Cat. #71340).

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